

**FRENCH LIMITED SITE  
CROSBY, TEXAS**

**Groundwater Sampling Report  
1<sup>st</sup> Quarter, 1998**

**Prepared for:**

**ARCO Chemical Company  
Crosby, Texas**

**Prepared by:**

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**Submitted to:**

**U.S. Environmental Protection Agency  
Region 6  
Dallas, Texas**

**April, 1998**



**193192**

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- Attachment A – Historical analytical summaries
- Attachment B – Field duplicate precision summaries
- Attachment C – Sampling procedures

**B      April 1996 – January 1998 water levels**

## **1.0 Introduction**

This report presents the results of groundwater sampling performed at the French Limited Superfund site, Crosby, Texas, for the 1<sup>st</sup> quarter of 1998. Aquifer measurements and sampling were completed in January 1998.

Analytical results of the January 1998 sampling are tabulated in Appendix A, including historic results since the shutdown of active remedial operations in December 1995.

Water levels measured for the January 1998 sampling are tabulated in Appendix B, including historic results since the shutdown of active remedial operations in December 1995.

## 2.0 Progress monitoring

Groundwater measurements and sampling for the 1<sup>st</sup> quarter of 1998 were performed by Remedial Operations Group, Inc. (ROG), on January 19 through 22, 1998. Measurements and sampling were performed in general accordance with Table 12.1, "Progress Monitoring Wells (1996-2005)", of the approved site closure plan<sup>1</sup>.

Water levels for the 1<sup>st</sup> quarter sampling event were measured by ROG on January 15, 1998. An additional (monthly) set of water levels was recorded on November 5, 1997. Locations of wells used for sampling and water level monitoring are shown in Figures 2-1 through 2-3. These figures also show the area where the S1 and INT units are not separated by the C1 clay aquitard. The area of this "C1 window", where the C1 clay unit is absent, is taken from *Evaluation of Stratigraphic Controls on DNAPL Migration*<sup>2</sup>. The significance of the C1 unit is discussed in Section 2.5.1.

Data management and QA/QC were performed by ROG. Analytical results were tabulated by ROG (Appendix A) and are evaluated below as follows:

1. Note volatile organic compound (VOC) and metals concentrations at or below maximum contaminant level ( $\leq$  MCL) or not detected (ND).
2. Note concentrations above maximum contaminant level ( $>$  MCL), and trends, if any. Note if detection limit (DL)  $>$  MCL.
3. Note elevated residual nitrate.
4. Note elevated pH concentration.
5. Prepare contour maps for nitrate, DO, TOC, benzene, 1,2-DCA, & vinyl chloride.

### 2.1 Concentration $\leq$ MCL or ND

Groundwater concentrations of the target metals and organics were reported  $\leq$  MCL or ND in the following wells:

FLTG-13, FLTG-14, INT-22, INT-26, INT-59-P2, INT-60-P3, INT-101, INT-106, INT-108, INT-118, INT-127, INT-135, INT-144, INT-214, INT-217, S1-31, S1-33, S1-51-P3, S1-106A, S1-108A, S1-111, S1-118, S1-121, S1-135.

<sup>1</sup> Southwestern Environmental Consulting, Inc. January, 1996. *Site Closure Plan, French Limited Project, Crosby, Texas*.

<sup>2</sup> Applied Hydrology Associates, Inc. September 1995. *Evaluation of Stratigraphic Controls on DNAPL Migration*.

## 2.2 Concentration > MCL

Groundwater samples from the wells with concentrations at or exceeding MCLs are presented in Table 2-1.

## 2.3 Residual nitrate

Nitrate was generally non-detect (<0.2 mg/L-N) at most wells. Residual nitrate exceeded 0.5 mg/L-N at seven wells, summarized in Table 2-2.

## 2.4 pH

Field pH values at nearly all wells were within the range 6.0-8.0, which is conducive to intrinsic bioremedial activity. However, at the following wells, field pH values on January 19-22, 1998 were outside this range:

Well	pH, January 1998
INT-118	8.58
INT-123	10.32
INT-144	9.37

## 2.5 Contour maps

Contour maps for water level, nitrate, dissolved oxygen (DO), total organic carbon (TOC), benzene, 1,2-dichloroethane (1,2-DCA), vinyl chloride, and affected groundwater for the S1 and INT units in January 1998 are presented and discussed below. Contours are inferred from: the January 1998 sampling results at progress monitoring wells; results of previous quarterly sampling at wells which are now plugged; and monitoring data obtained during active operations (between January 1992 and December 1995). Therefore, the contours presented are not based solely on the data shown on the contour maps, but incorporate judgement based on four years of historic monitoring data at a significantly wider well network. Former wells are shown on the chemical plume maps. (For ease of reference, all maps follow the end of the text in Section 2.0.)

Table 2-1  
Concentrations > MCL

Well	Constituents and concentrations > MCL ( $\mu\text{g/L}$ )
INT-120	1,2-DCA 160 benzene 9 vinyl chloride 6
INT-123	1,2-DCA 190
INT-130R	1,2-DCA 9
INT-130RS	1,2-DCA 7 vinyl chloride 10
INT-134	1,2-DCA 88 benzene 25 vinyl chloride 120
INT-233	benzene 240
S1-106R	benzene 53
S1-123	1,2-DCA 160 vinyl chloride 37
S1-131	benzene 6

Explanation

$\mu\text{g/L}$   
1,2-DCA  
MCL

micrograms per liter (ppb)  
1,2-dichloroethane  
maximum contaminant level (Federal drinking water standard)

GROUNDWATER AND SUBSOIL REMEDIATION  
GROUNDWATER SAMPLING REPORT

French Ltd. Project  
FLTG, Incorporated

Table 2-2

Residual nitrate > 0.5 mg/L-N

Well	Nitrate in 1/96 (mg/L-N)	Nitrate in 4/96 (mg/L-N)	Nitrate in 7/96 (mg/L-N)	Nitrate in 10/96 (mg/L-N)	Nitrate in 1/97 (mg/L-N)	Nitrate in 4/97 (mg/L-N)	Nitrate in 7/97 (mg/L-N)	Nitrate in 10/97 (mg/L-N)	Nitrate in 1/98 (mg/L-N)
INT-60-P3	41.6	112.0	100.0	91.0	74.4	50.5	91.2	32.7	45.0
INT-120	63.1	23.3	66.0	21.1	47.4	31.0	38.4	33.1	26.5
INT-123	25.6	23.2	21.0	20.1	23.3	19.2	27.3	27.8	26.7
INT-130R	new well	30.6	32.0	32.0	33.0	30.6	31.9	34.6	26.8
INT-130RS	new well	23.2	20.0	17.5	14.0	12.5	12.7	10.0	3.6
INT-134	1.8	0.5	0.8	2.0	2.9	1.0	2.6	7.1	9.7
S1-106A	92.3	16.6	23.3	11.4	16.2	15.4	12.9	9.8	7.0
S1-121	56.2	<0.2	0.8	6.0	9.9	<0.2	4.4	7.8	<0.2

Explanation

mg/L-N      milligrams per liter as nitrogen  
<            less than

### **2.5.1 Water levels**

Appendix B presents depth-to-water readings, top-of-casing well elevations, and calculated water levels from April 1996 through January 1998. For January 1998, the depth-to-water measurements include the preliminary round of soundings performed at monitoring wells on January 15, before starting groundwater sampling. The depth-to-water measurements presented in Appendix A are the measurements made on the actual day of sampling, which may be different for some wells. The Appendix A water levels were not used to generate water-level maps.

Figures 2-4 through 2-7 show interpreted groundwater levels in the S1 and INT units for November 1997 and January 1998. Required groundwater level monitoring is quarterly, but additional monthly measurements have been performed to enable average water levels to be developed. Figures 2-8 and 2-9 show average water levels for the period May 1997 – January 1998. This is the period for which the current set of water-level monitoring wells has been available.

Water levels for the post-operational phase tend to reflect short-term, localized influences. Short-term rainfall events affect the water level in the South Pond and other surface water bodies, which act as localized recharge or discharge areas depending on recent rainfall relative to average. The normal maximum level for the South Pond appears to be controlled by a downstream beaver dam.

The S1 and INT water-level maps indicates that significant downward leakage from the S1 unit to the INT unit occurs in a localized area south of the west end of the former lagoon, where the C1 clay is absent ("C1 window"). In this area, the average hydraulic gradient in the S1 unit is NE towards the C1 window, whereas the average hydraulic gradient in the INT unit is to the SW, away from the C1 window. This trend has been fairly consistent since active remediation ended.

The other fairly consistent feature is the extremely low hydraulic gradient south of the former lagoon and east of the C1 window. In both the S1 and INT units, the gradient is generally to the southeast, away from the clay window. Overall, it appears that the cutoff wall has created virtually stagnant groundwater flow conditions in the area south of the former lagoon.

Three sets of paired S1 unit monitoring wells track head differences across the cutoff wall, which encloses an active phytoremediation area. The well pairs are P-6/P-5; S1-119/S1-121; and S1-126/S1-64. The first well of each pair is inside the cutoff wall; the second well is outside. Head differences are shown in Figures 2-4 through 2-7. During November 1997 and January 1998, hydraulic gradients were outward with from 0.04 to 3.61 feet head difference. It is planned that phytoremediation will eventually reverse this head difference.

The effectiveness of the steel sheetpile cutoff wall system used at the French Limited site was confirmed by long-term testing described in *INT-11 DNAPL area*,

*cutoff wall installation and permeability certification report*<sup>1</sup>. This report concluded that the cutoff wall is equivalent to a conventional 2.5-foot thick slurry wall with a permeability of  $1 \times 10^{-9}$  cm/sec. Hence, an outward hydraulic gradient will not result in significant outward migration of groundwater.

#### **2.5.2 Nitrate**

Nitrate contour maps for January 1998 are presented in Figures 2-10 and 2-11.

#### **2.5.3 Dissolved oxygen**

Dissolved oxygen contour maps for January 1998 are presented in Figures 2-12 and 2-13. DO concentrations in both units are generally less than 0.5 mg/L, except at INT-60-P3 (2.5 mg/L) and INT-123 (13.5 mg/L).

#### **2.5.4 Total organic carbon**

Total organic carbon contour maps for January 1998 are presented in Figures 2-14 and 2-15.

#### **2.5.5 Benzene**

Benzene contour maps for January 1998 are presented in Figures 2-16 and 2-17.

#### **2.5.6 1,2-DCA**

1,2-DCA contour maps for January 1998 are presented in Figures 2-18 and 2-19.

#### **2.5.7 Vinyl chloride**

Vinyl chloride contour maps for January 1998 are presented in Figures 2-20 and 2-21

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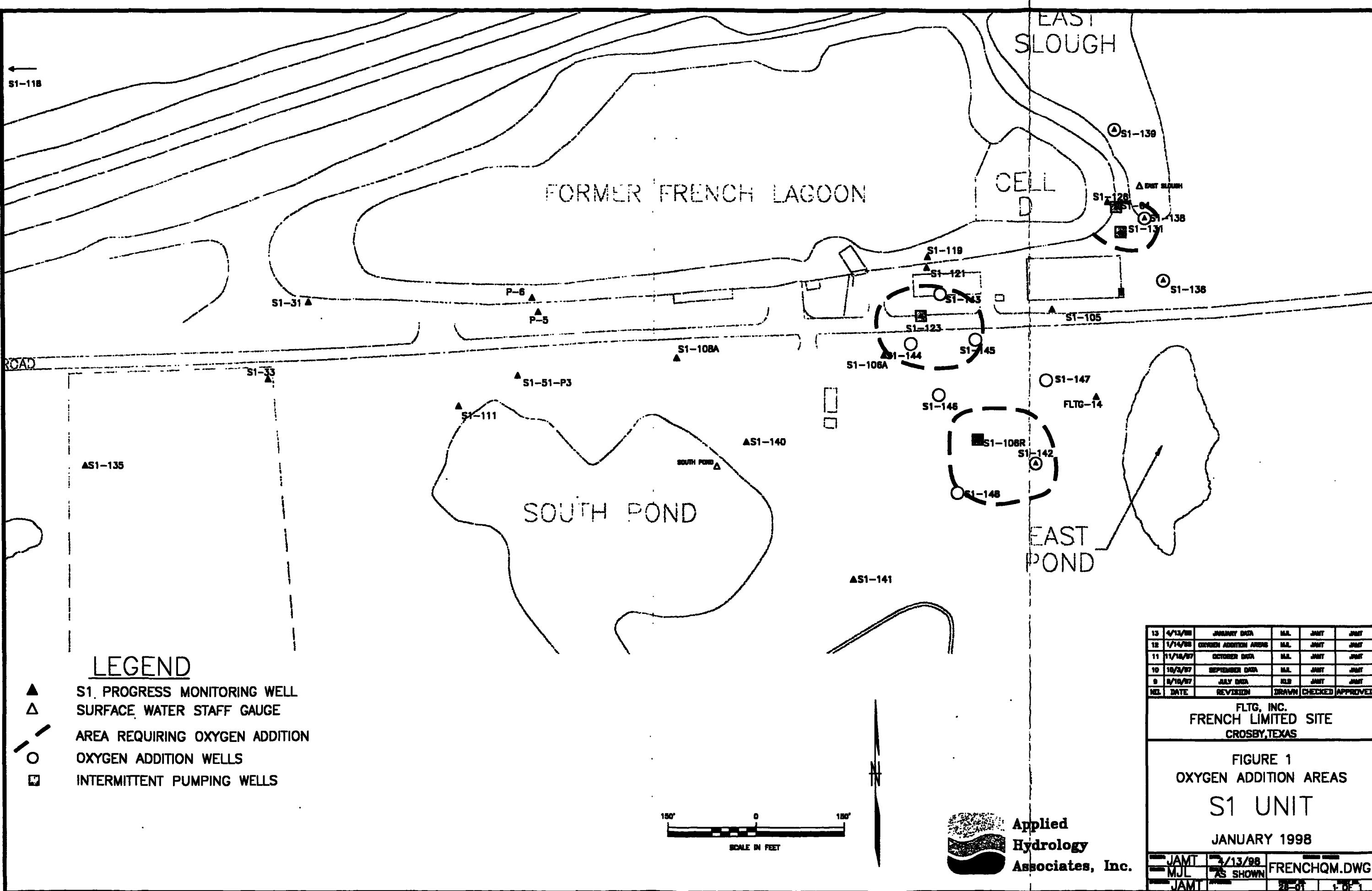
<sup>1</sup> Applied Hydrology Associates, Inc. August 1995.

#### **2.5.8 Affected groundwater**

The affected area in January 1998 is shown in Figures 2-22 and 2-23. The affected S1 and INT groundwater does not represent a threat to the public health or the environment, because FLTG controls all property that contains elevated concentrations of chemicals in groundwater, and all areas containing affected groundwater are potentially subject to institutional controls.

#### **2.5.9 Oxygen addition**

Areas of affected groundwater do not coincide with areas containing electron acceptors (except at INT-123). Therefore, additional oxygen may need to be added to the aquifer to expedite natural attenuation. In March 1998, a program of oxygen addition was started, and 20 new 4-inch wells were installed for oxygen addition. Cryogenic oxygen has been added to these wells under pressure. Oxygen addition has been focussed at the well screen interval through the use of portable well packers set 3 to 4 feet above the top of the screen. Figures 2-24 and 2-25 show the existing monitoring well network and the new wells. To date, oxygen acceptance rates have been good.



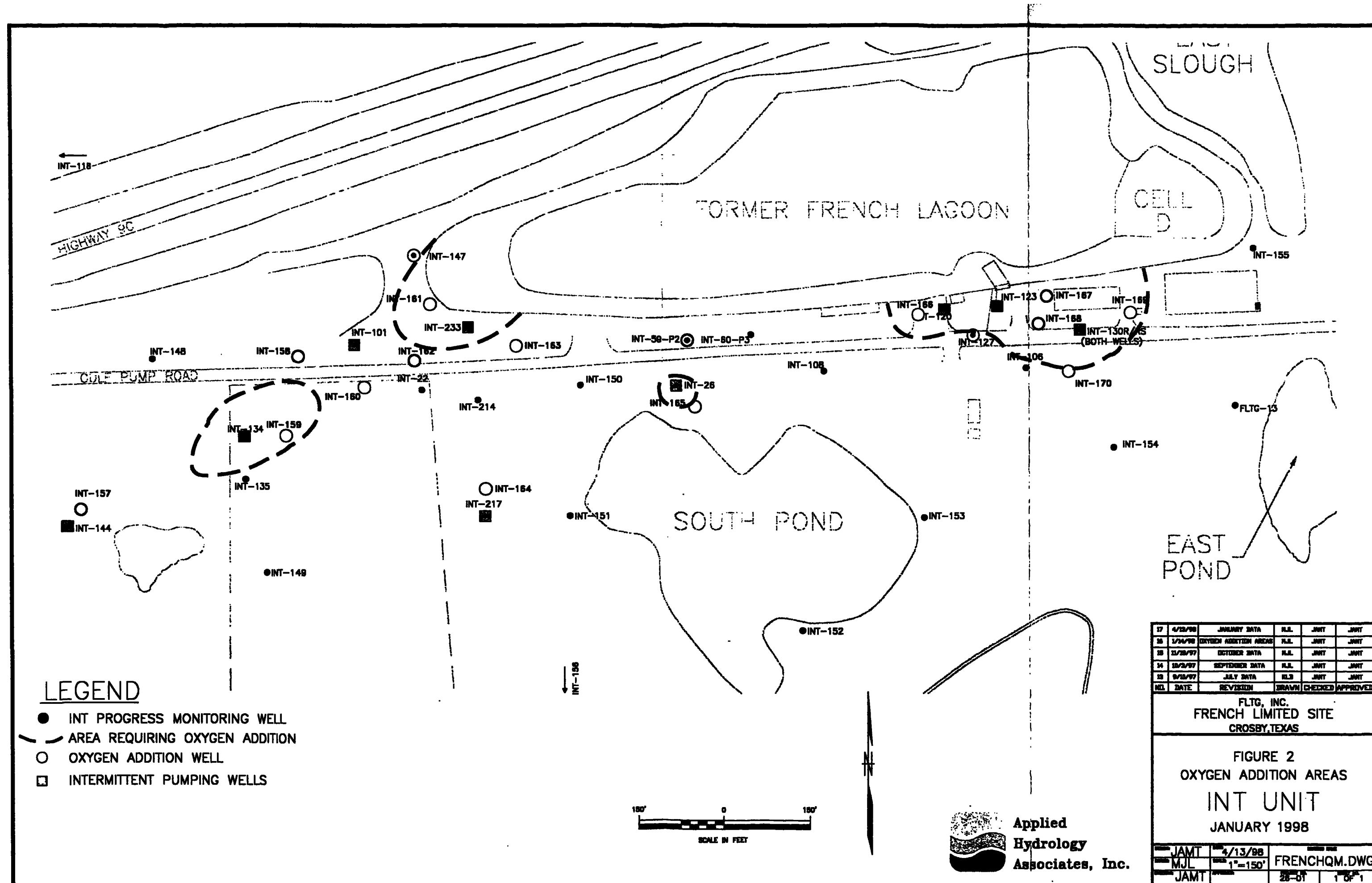
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11	11/16/97	OCTOBER DATA	M.L.	J.A.M.T.	J.A.M.T.
10	10/3/97	SEPTEMBER DATA	M.L.	J.A.M.T.	J.A.M.T.
9	9/10/97	JULY DATA	M.L.	J.A.M.T.	J.A.M.T.
NO.	DATE	REVISION	DRAWN	CHECKED	APPROVED

FLTG, INC.  
FRENCH LIMITED SITE  
CROSBY, TEXAS

FIGURE 1  
OXYGEN ADDITION AREAS  
**S1 UNIT**  
JANUARY 1998

J.A.M.T.	4/13/98	FRENCHQM.DWG
M.J.L.	AS SHOWN	
J.A.M.T.	2-01	1-01

Applied  
Hydrology  
Associates, Inc.



**Applied  
Hydrology  
Associates, Inc.**

17	4/13/98	JANUARY DATA	R.L.	JAMT	JAMT
16	1/14/98	OXYGEN ADDITION AREAS	R.L.	JAMT	JAMT
15	1/15/97	OCTOBER DATA	R.L.	JAMT	JAMT
14	10/16/97	SEPTEMBER DATA	R.L.	JAMT	JAMT
13	9/18/97	JULY DATA	R.L.	JAMT	JAMT
NOL	DATE	REVISION	DRAWN	CHECKED	APPROVED

**FLTG, INC.**  
**FRENCH LIMITED SITE**  
**CROSBY, TEXAS**

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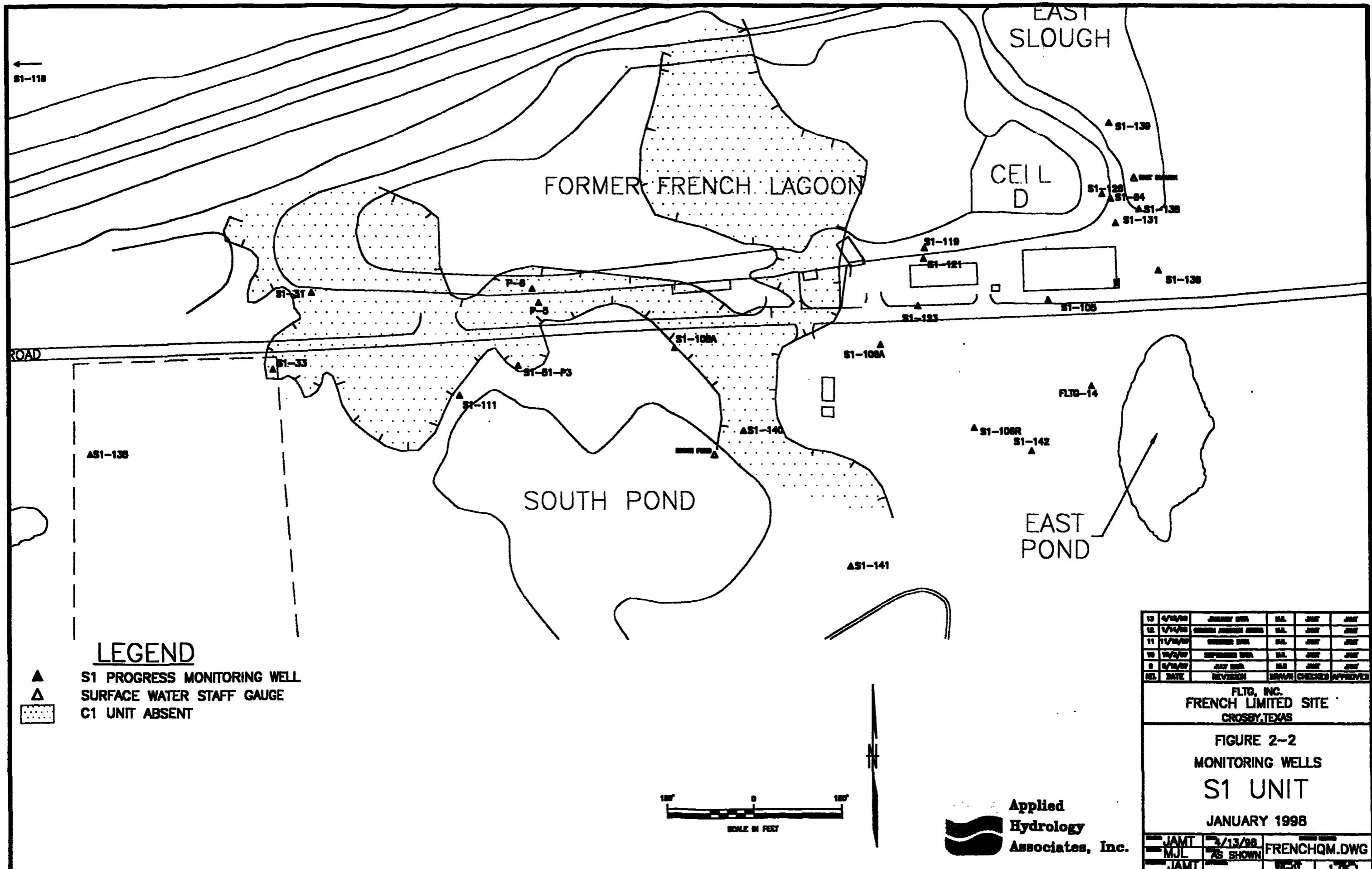
**FIGURE 2**  
**OXYGEN ADDITION AREAS**

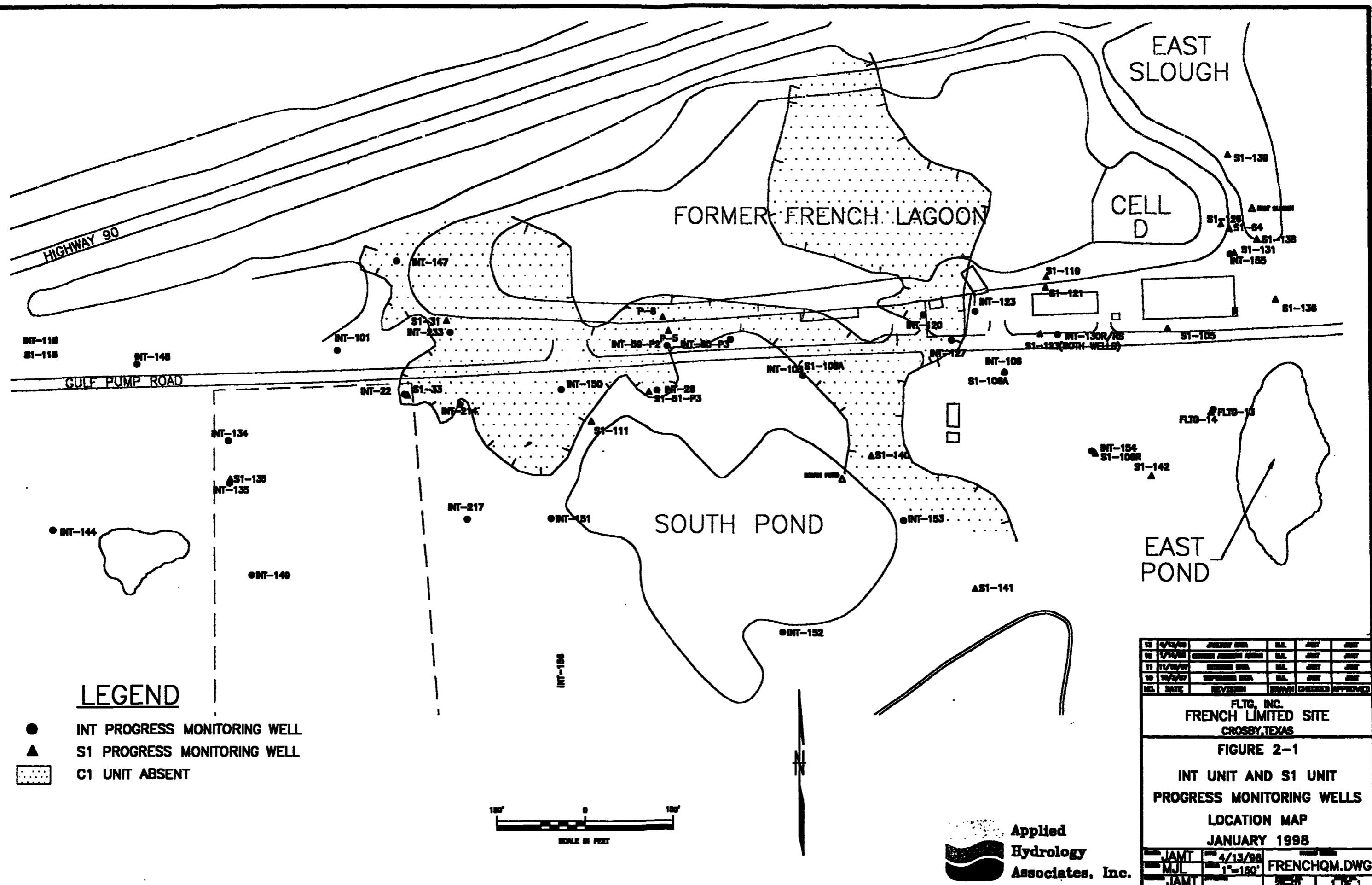
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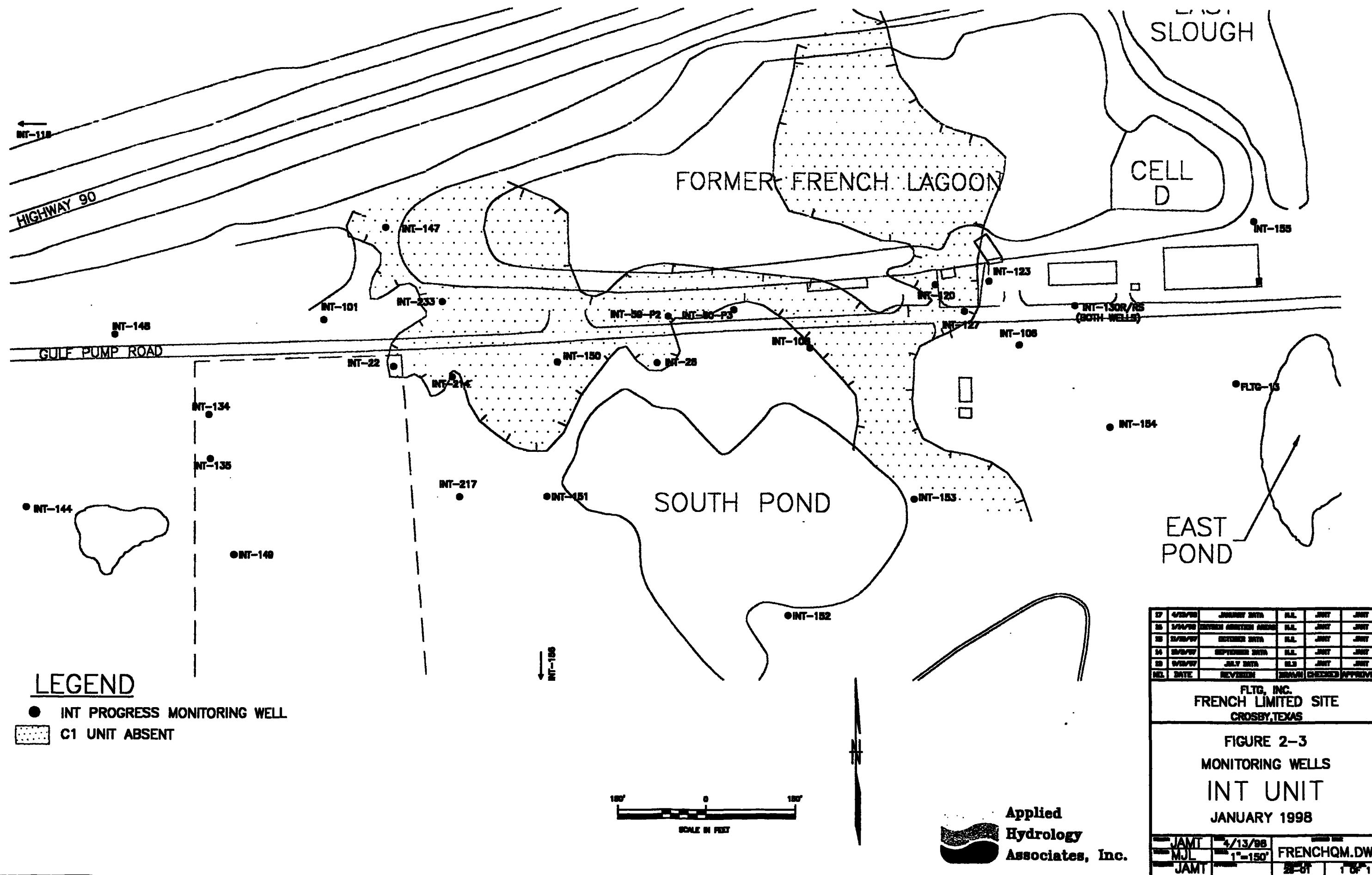
**JANUARY 1998**

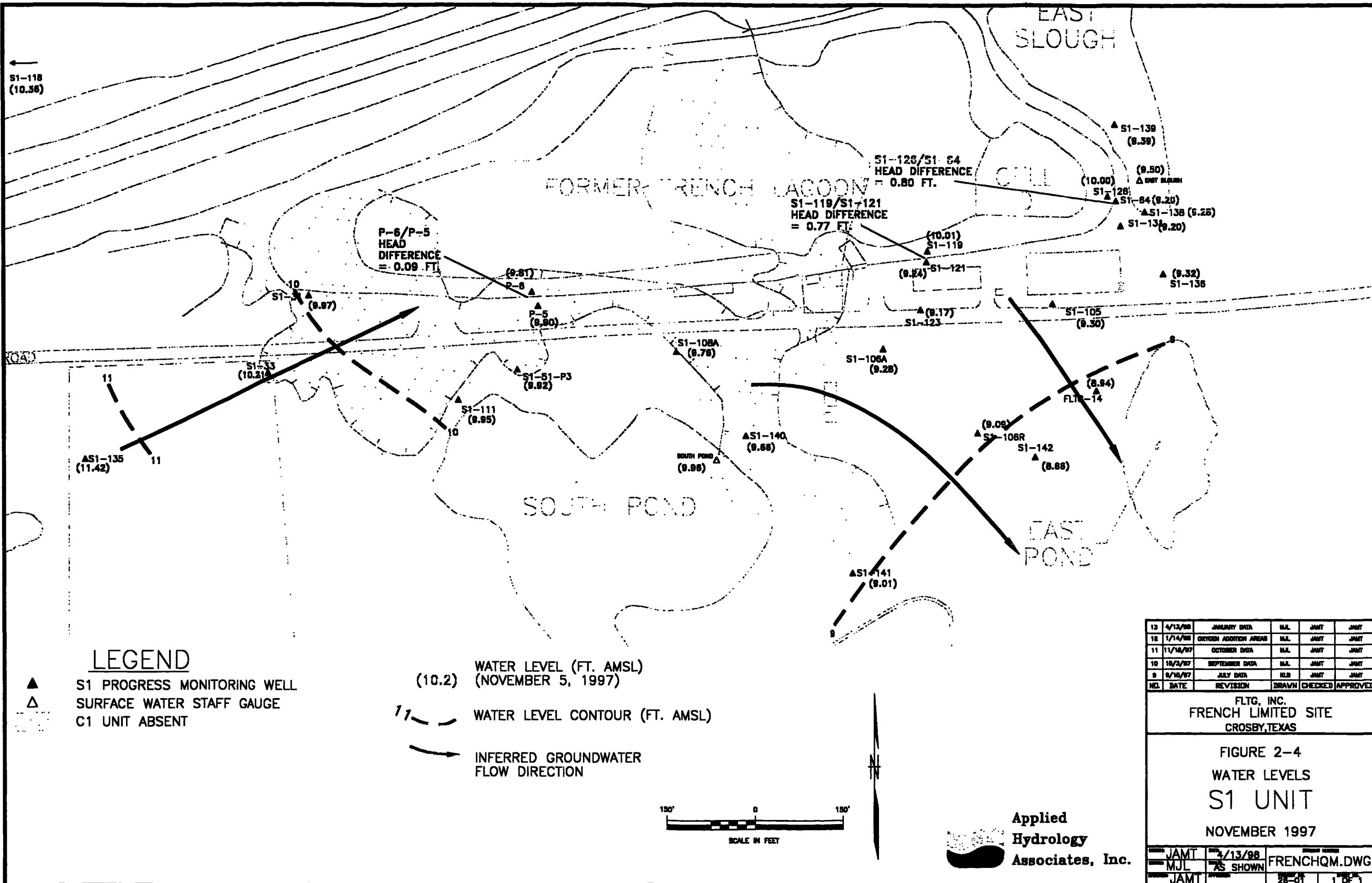
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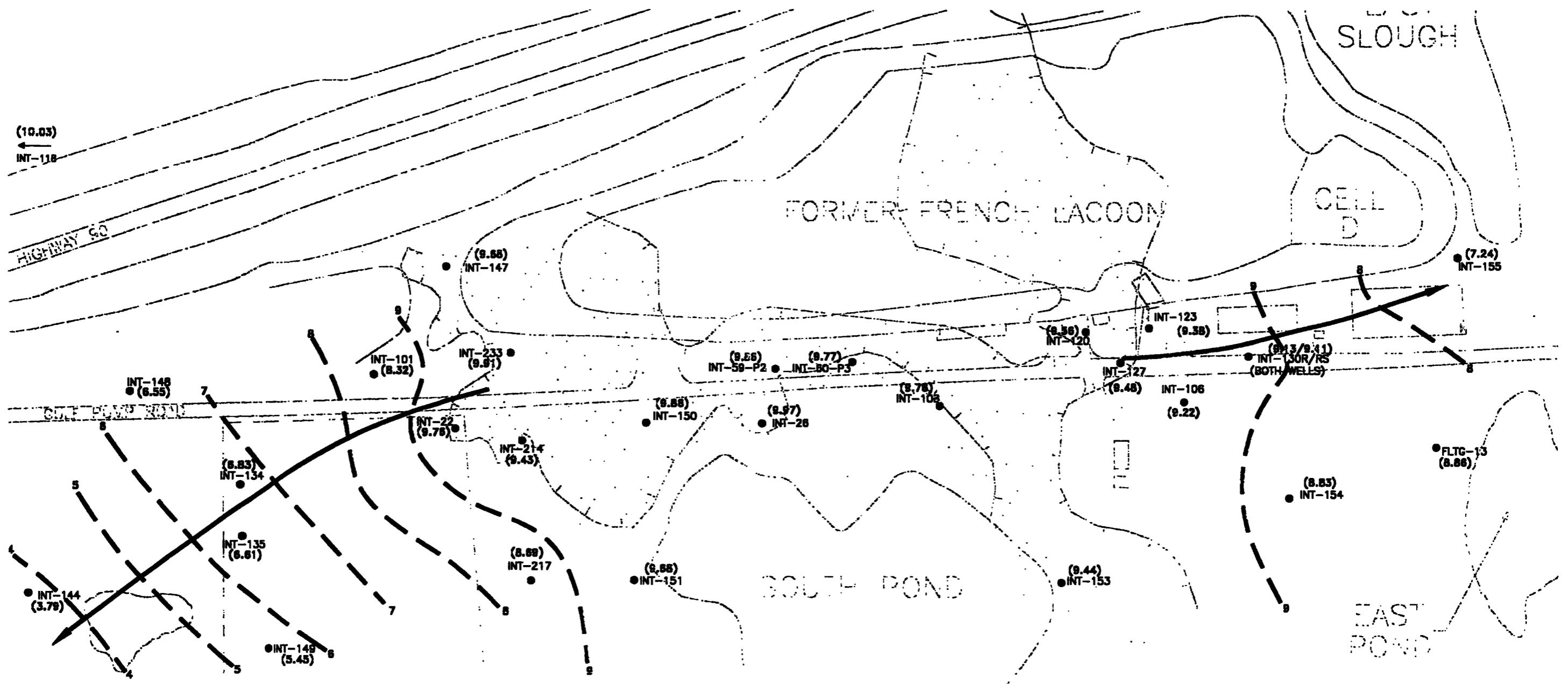
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MJL	1'-150'	FILE NUMBER
JAMT		FRENCHQM.DWG











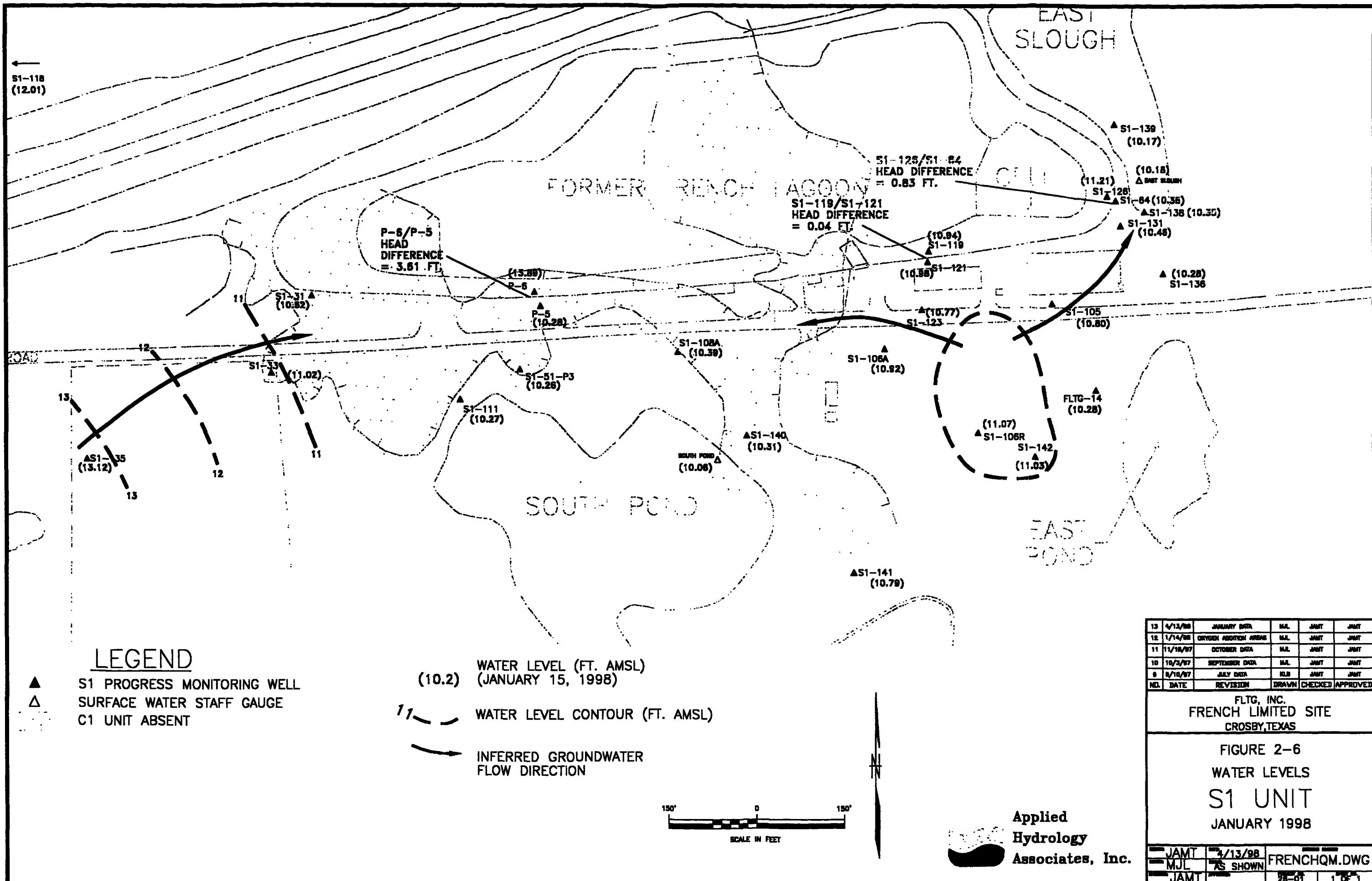
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16	1/14/98	DECEMBER ABSTINENCE AREAS	MUL	JANT	JANT
15	12/18/97	OCTOBER DATA	MUL	JANT	JANT
14	10/23/97	SEPTEMBER DATA	MUL	JANT	JANT
13	9/18/97	JULY DATA	KLB	JANT	JANT
NO.	DATE	REVISION	DRAWN	CHECKED	APPROVED

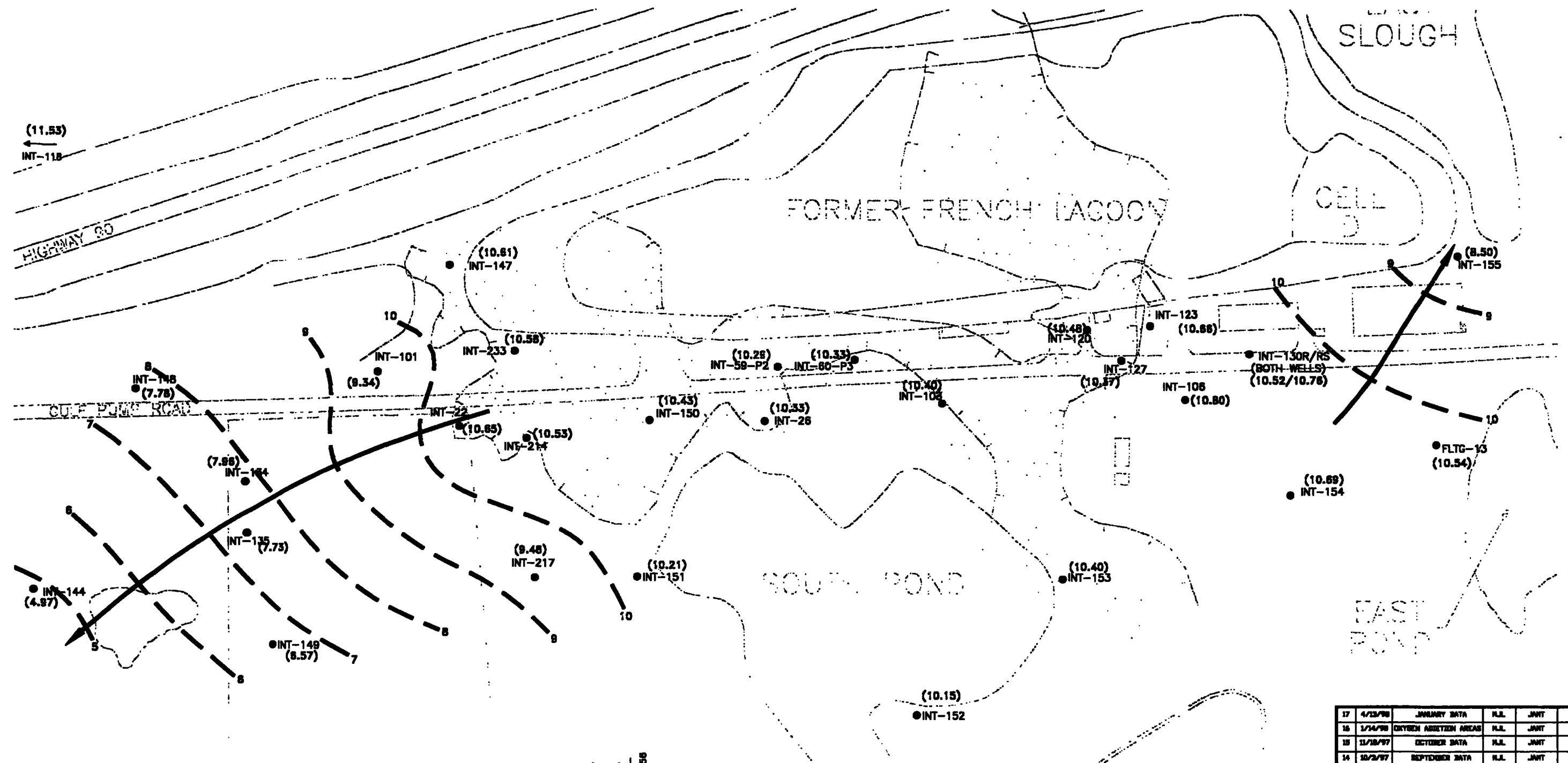
FLTG, INC.  
FRENCH LIMITED SITE  
CROSBY, TEXAS

FIGURE 2-5  
WATER LEVELS  
INT UNIT  
NOVEMBER 1997

Applied  
Hydrology  
Associates, Inc.

JAMT	4/13/98	---
MUL	1"-150'	FRENCHQM.DWG
JAMT	28-01	1"-0"





## LEGEND

- INT PROGRESS MONITORING WELL  
C1 UNIT ABSENT
  - (10.2) WATER LEVEL (FT. AMSL)  
(JANUARY 1998)
  - 8 WATER LEVEL CONTOUR (FT. AMSL)
  - INFERRED GROUNDWATER FLOW DIRECTION

A horizontal scale bar diagram. At the top left is the label "150'" above a short black line segment. In the center is the label "0" above a slightly longer black line segment. At the top right is the label "150'" above another short black line segment. Below the central zero line, there is a dashed line segment, and below the entire scale bar, the text "SCALE IN FEET" is centered.

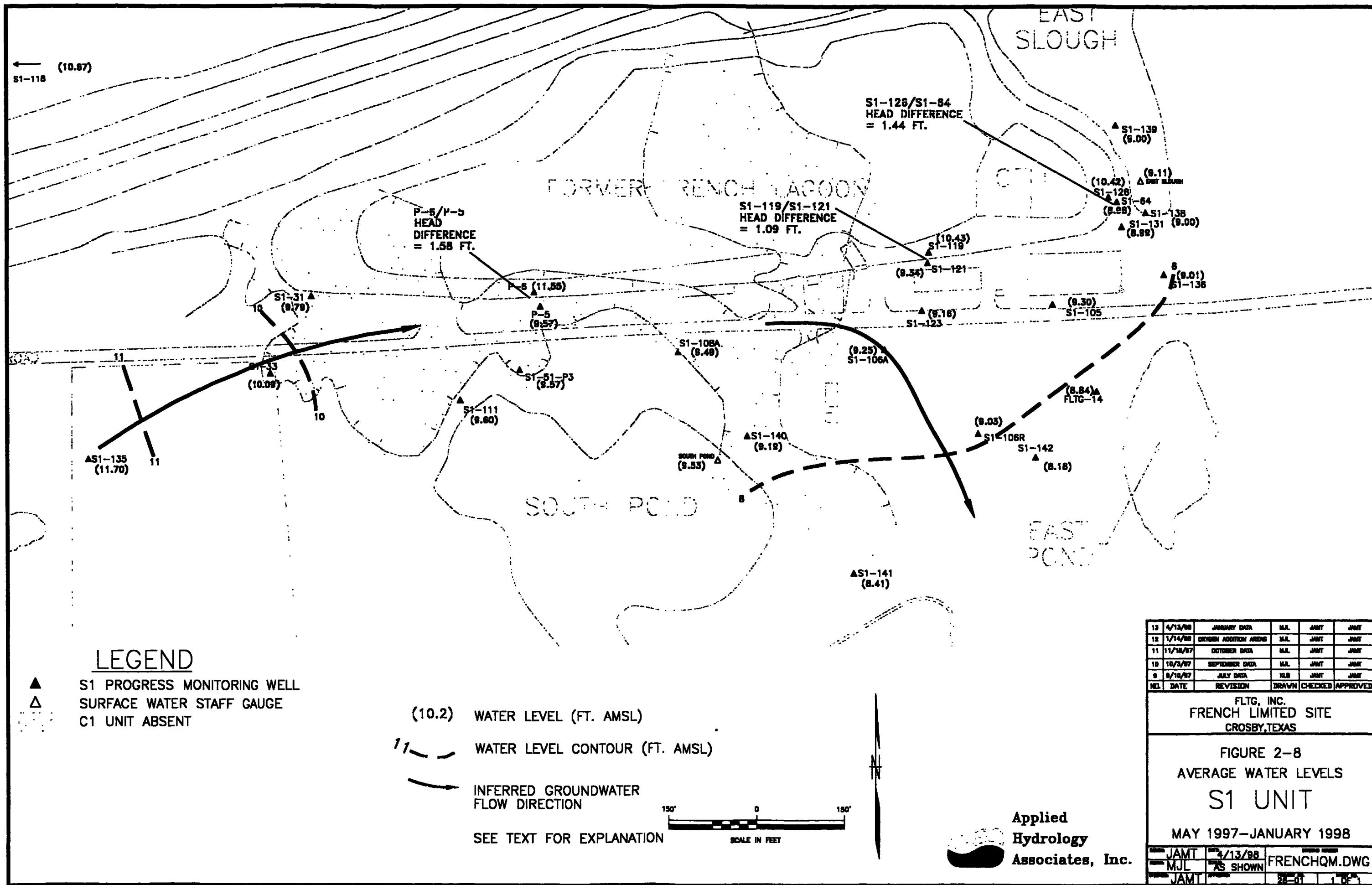
# **Applied Hydrology Associates, Inc.**

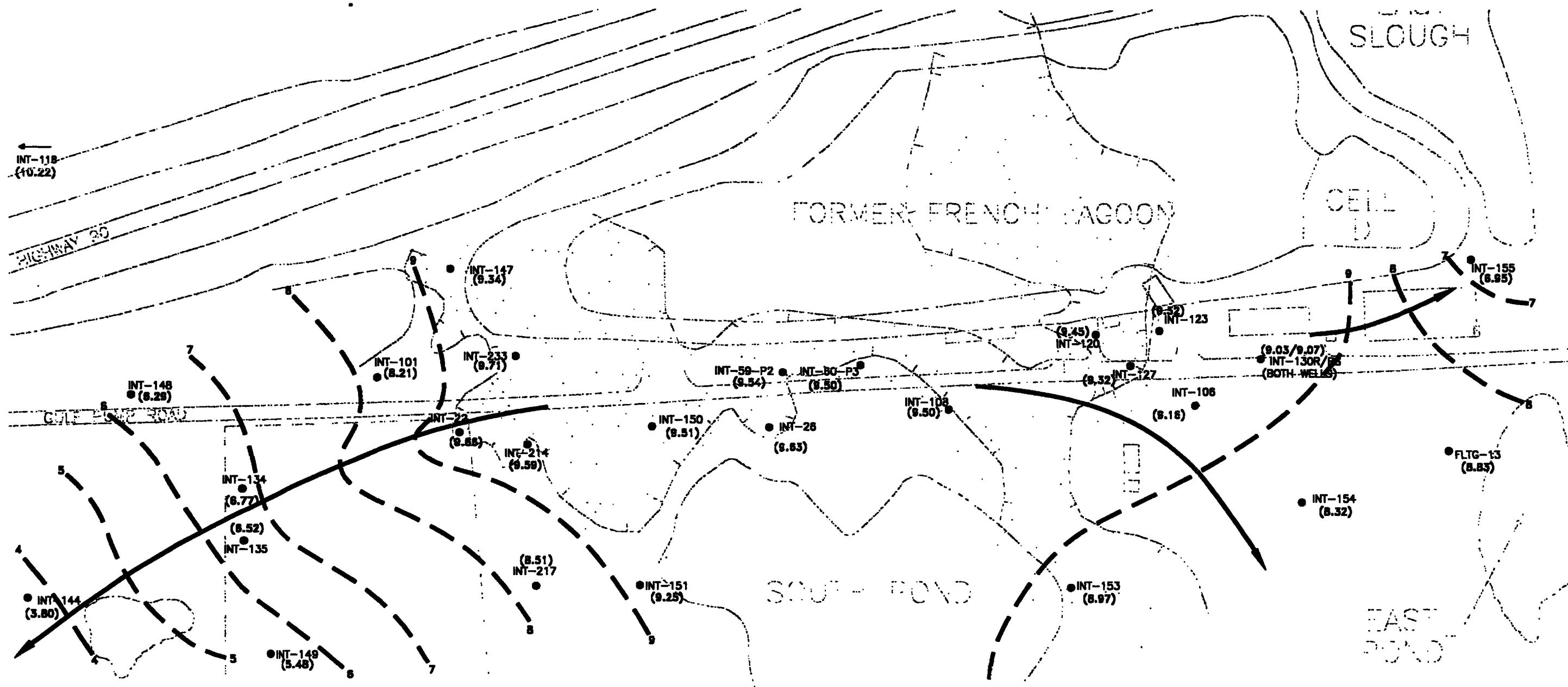
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19	11/18/97	OCTOBER DATA	N.J.L.	J.A.M.T.	J.A.M.T.
20	10/2/97	SEPTEMBER DATA	N.J.L.	J.A.M.T.	J.A.M.T.
21	9/18/97	JULY DATA	I.G.J.	J.A.M.T.	J.A.M.T.
NO.	DATE	REVISION	DRAWN	CHECKED	APPROVED

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FRENCH LIMITED SITE  
CROSBY, TEXAS**

**FIGURE 2-7  
WATER LEVELS  
INT UNIT  
JANUARY 1998**

JAMT 4/13/98  
MJL 1"-150' FRENCHQM.DWG  
JAMT 28-01 1 OF 1





### LEGEND

- INT PROGRESS MONITORING WELL

- C1 UNIT ABSENT

(10.2) WATER LEVEL (FT. AMSL)

— WATER LEVEL CONTOUR (FT. AMSL)

— INFERRED GROUNDWATER FLOW DIRECTION

SEE TEXT FOR EXPLANATION



17	4/12/98	JANUARY DATA	M.J.L.	J.A.M.T.	J.A.M.T.
18	5/14/98	APRIL ABSTINENCE AREAS	M.J.L.	J.A.M.T.	J.A.M.T.
19	11/16/97	OCTOBER DATA	M.J.L.	J.A.M.T.	J.A.M.T.
20	10/23/97	SEPTEMBER DATA	M.J.L.	J.A.M.T.	J.A.M.T.
21	9/16/97	JULY DATA	K.L.B.	J.A.M.T.	J.A.M.T.
NO.	DATE	REVISION	DRAWN	CHECKED	APPROVED

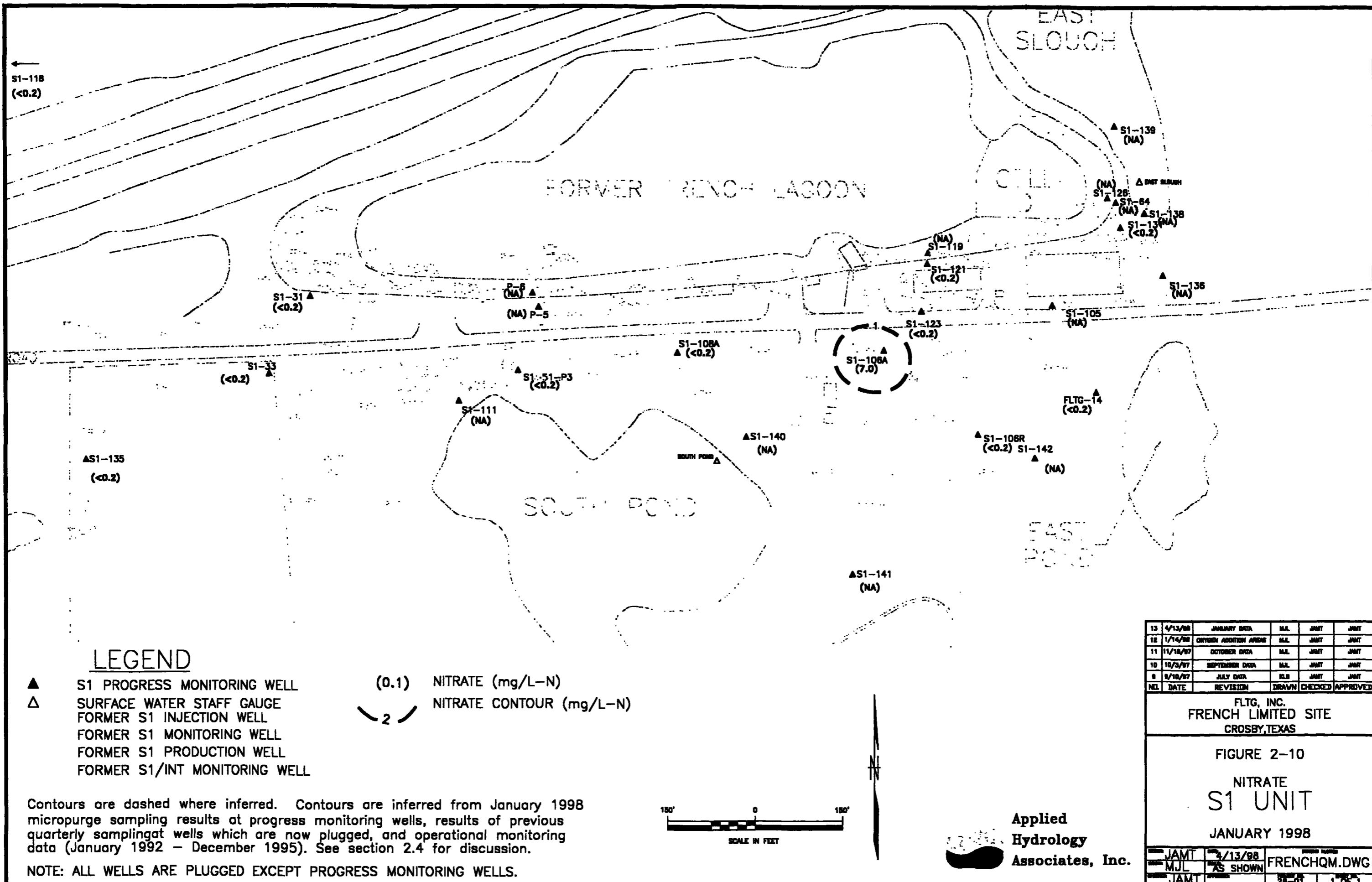
FLTG, INC.  
FRENCH LIMITED SITE  
CROSBY, TEXAS

FIGURE 2-9  
AVERAGE WATER LEVELS  
INT UNIT

MAY 1997 – JANUARY 1998

J.A.M.T.	4/13/98	FRENCHQM.DWG
M.J.L.	1"-150'	
J.A.M.T.	26-01	1 OF 1

Applied  
Hydrology  
Associates, Inc.



13	4/13/98	JANUARY DATA	M.L.	J.A.M.T.	J.A.M.T.
12	1/14/98	OXYGEN ADDITION AREAS	M.L.	J.A.M.T.	J.A.M.T.
11	11/18/97	OCTOBER DATA	M.L.	J.A.M.T.	J.A.M.T.
10	10/3/97	SEPTEMBER DATA	M.L.	J.A.M.T.	J.A.M.T.
9	9/10/97	JULY DATA	I.G.B.	J.A.M.T.	J.A.M.T.
NO.	DATE	REVISION	DRAWN	CHECKED	APPROVED

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CROSBY, TEXAS

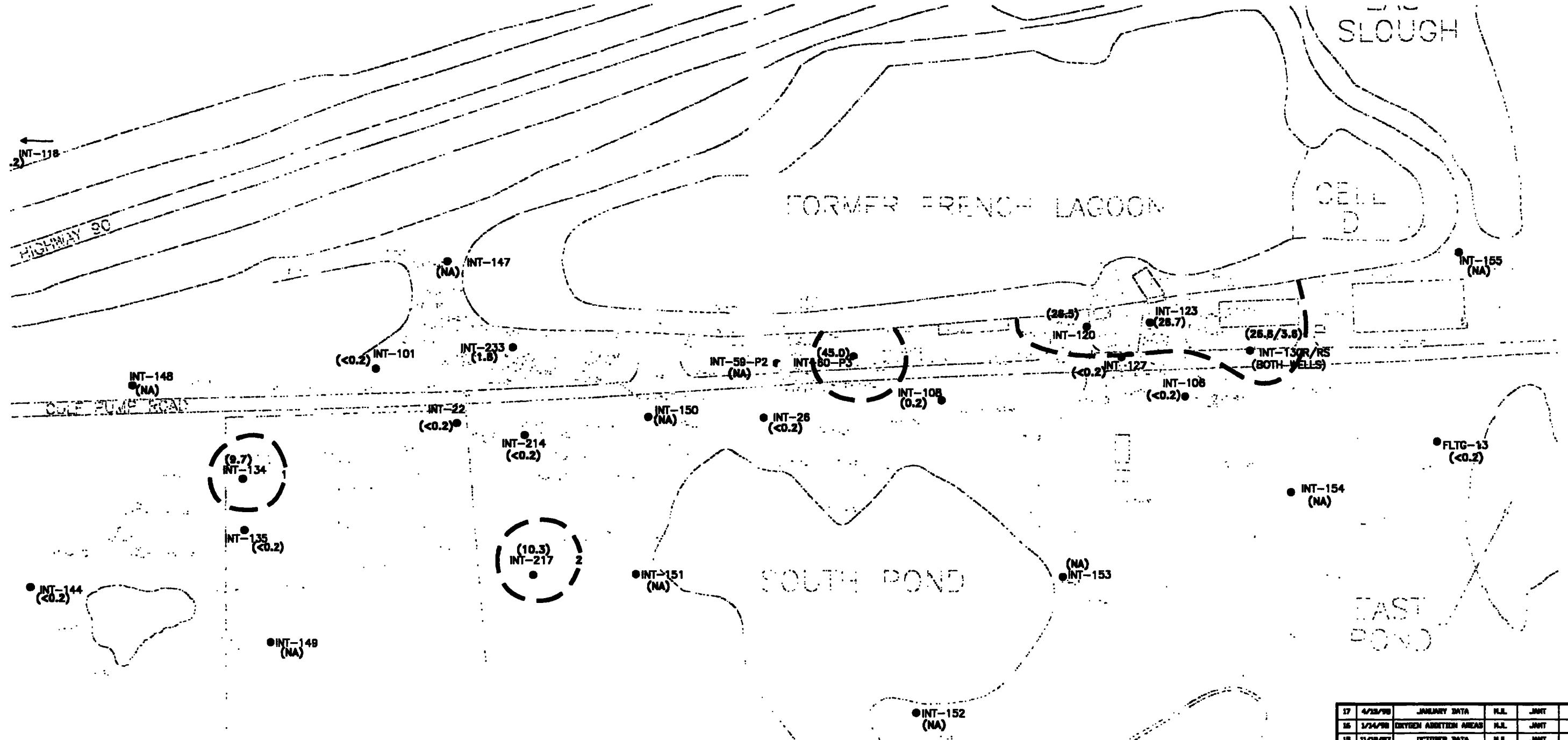
FIGURE 2-10

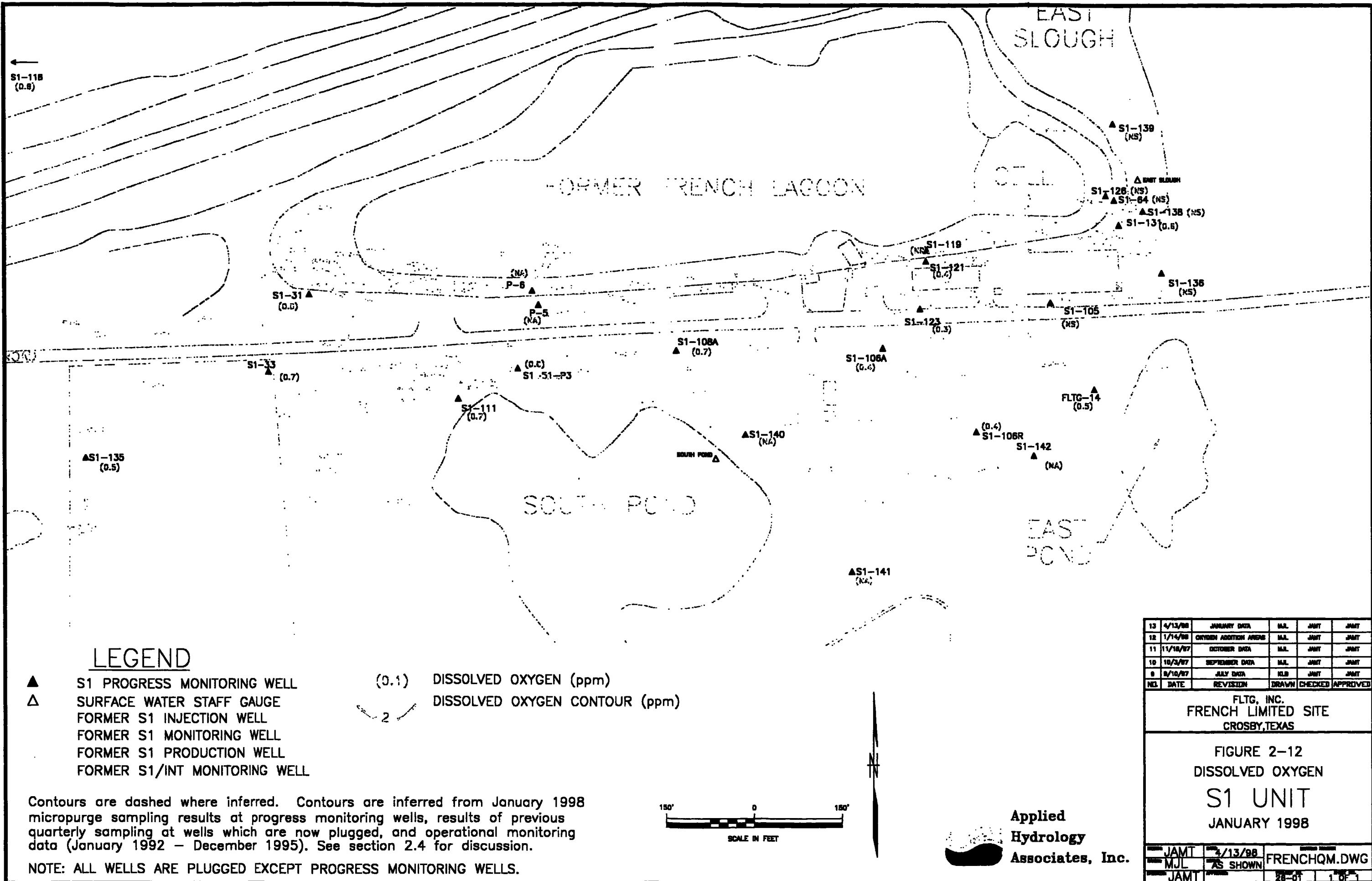
NITRATE  
S1 UNIT

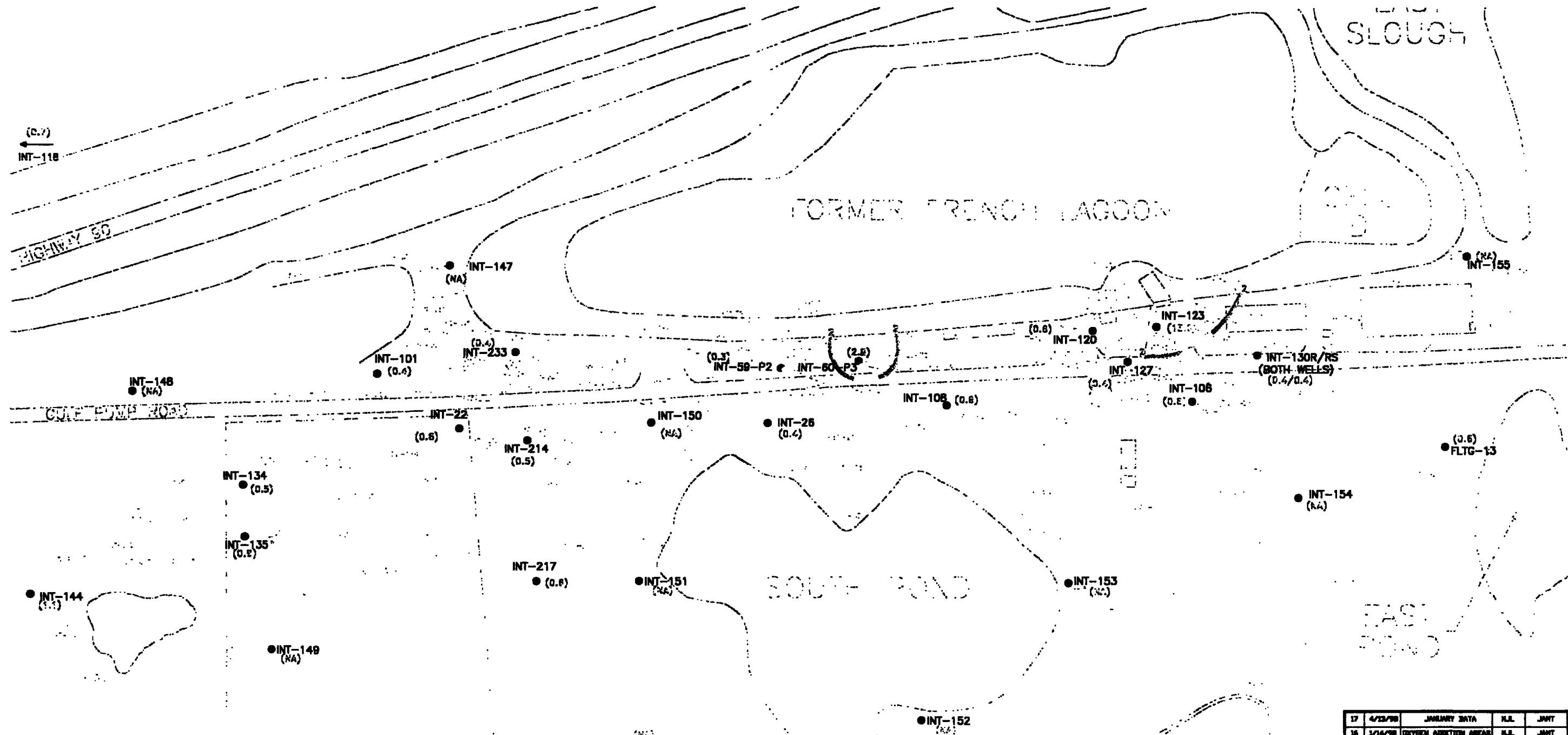
JANUARY 1998

Applied  
Hydrology  
Associates, Inc.

J.A.M.T.	4/13/98	FRENCHQM.DWG
M.L.	AS SHOWN	
J.A.M.T.	38-01	18-01







## LEGEND

- INT PROGRESS MONITORING WELL
- FORMER INT INJECTION WELL
- FORMER INT MONITORING WELL
- FORMER INT PRODUCTION WELL

(0.6) DISSOLVED OXYGEN (ppm)  
DISSOLVED OXYGEN CONTOUR (ppm)

Contours are dashed where inferred. Contours are inferred from January 1998 micropurge sampling results at progress monitoring wells, results of previous quarterly sampling at wells which are now plugged, and operational monitoring data (January 1992 – December 1995). See section 2.4 for discussion.

NOTE: ALL WELLS ARE PLUGGED EXCEPT PROGRESS MONITORING WELLS.



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Hydrology  
Associates, Inc.

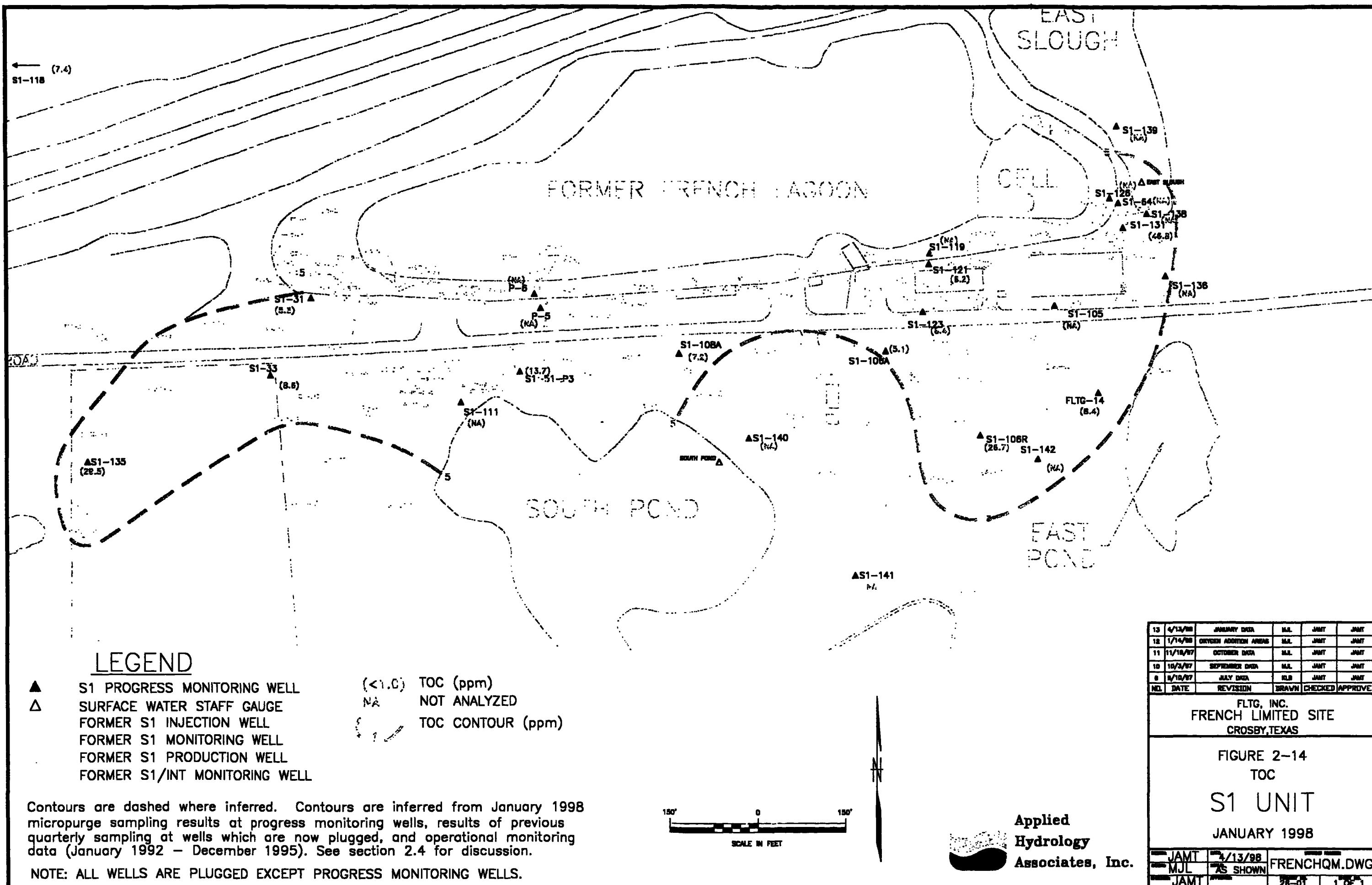
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19	1/18/97	OCTOBER DATA	N.L.	J.A.M.T.	J.A.M.T.
20	8/23/97	SEPTEMBER DATA	N.L.	J.A.M.T.	J.A.M.T.
21	9/18/97	JULY DATA	N.L.	J.A.M.T.	J.A.M.T.
NO.	DATE	REVISION	DRAWN	CHECKED	APPROVED

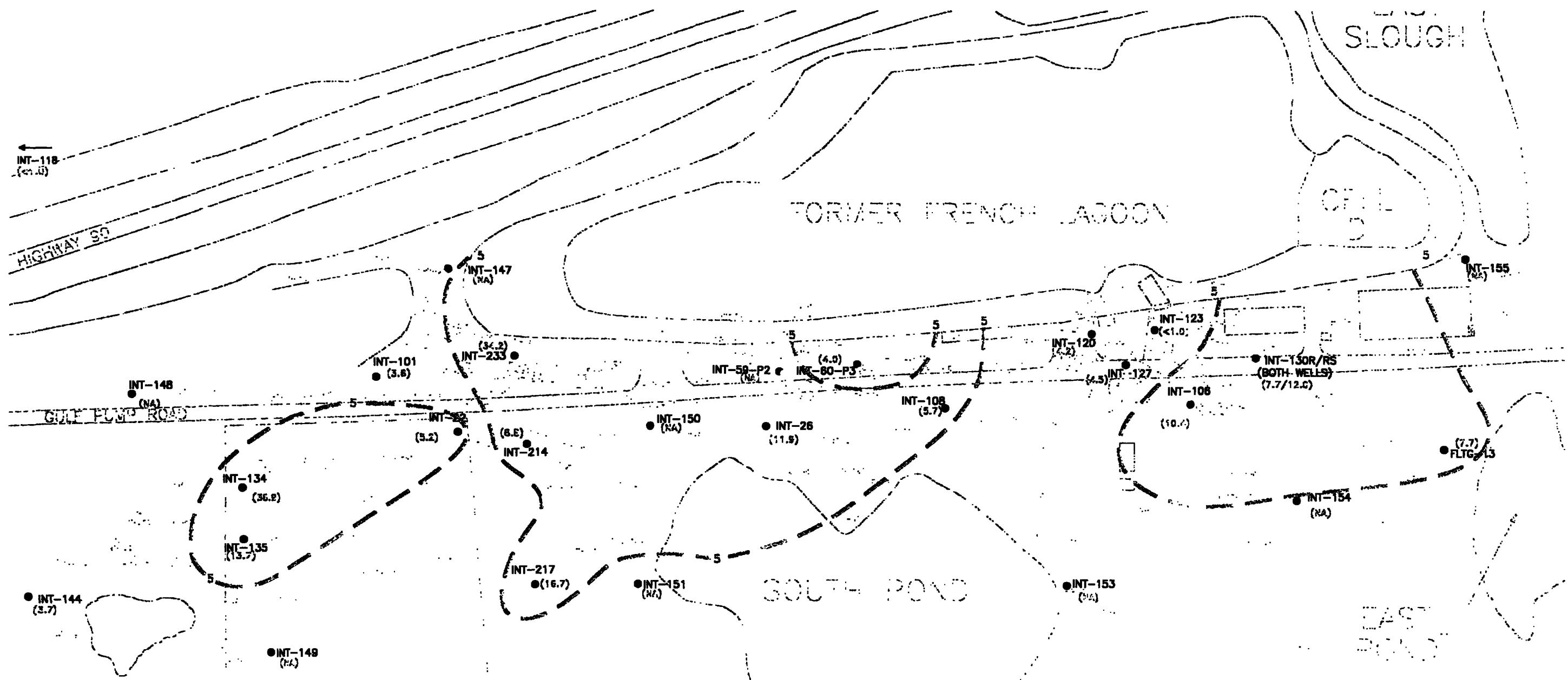
FLTG, INC.  
FRENCH LIMITED SITE  
CROSBY, TEXAS

FIGURE 2-13  
DISSOLVED OXYGEN

INT UNIT  
JANUARY 1998

J.A.M.T.	4/13/98	FRENCHQM.DWG
M.J.L.	1'-150'	
J.A.M.T.	28-01	1'-00'





## LEGEND

- |                              |       |                   |
|------------------------------|-------|-------------------|
| INT PROGRESS MONITORING WELL | (C&E) | TOC (ppm)         |
| FORMER INT INJECTION WELL    | NA    | NOT ANALYZED      |
| FORMER INT MONITORING WELL   | (C&E) | TOC CONTOUR (ppm) |
| FORMER INT PRODUCTION WELL   | (C&E) | TOC CONTOUR (ppm) |

Contours are dashed where inferred. Contours are inferred from January 1998 micropurge sampling results at progress monitoring wells, results of previous quarterly sampling at wells which are now plugged, and operational monitoring data (January 1992 - December 1995). See section 2.4 for discussion.

NOTE: ALL WELLS ARE PLUGGED EXCEPT PROGRESS MONITORING WELLS



**Applied  
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Associates, Inc.**

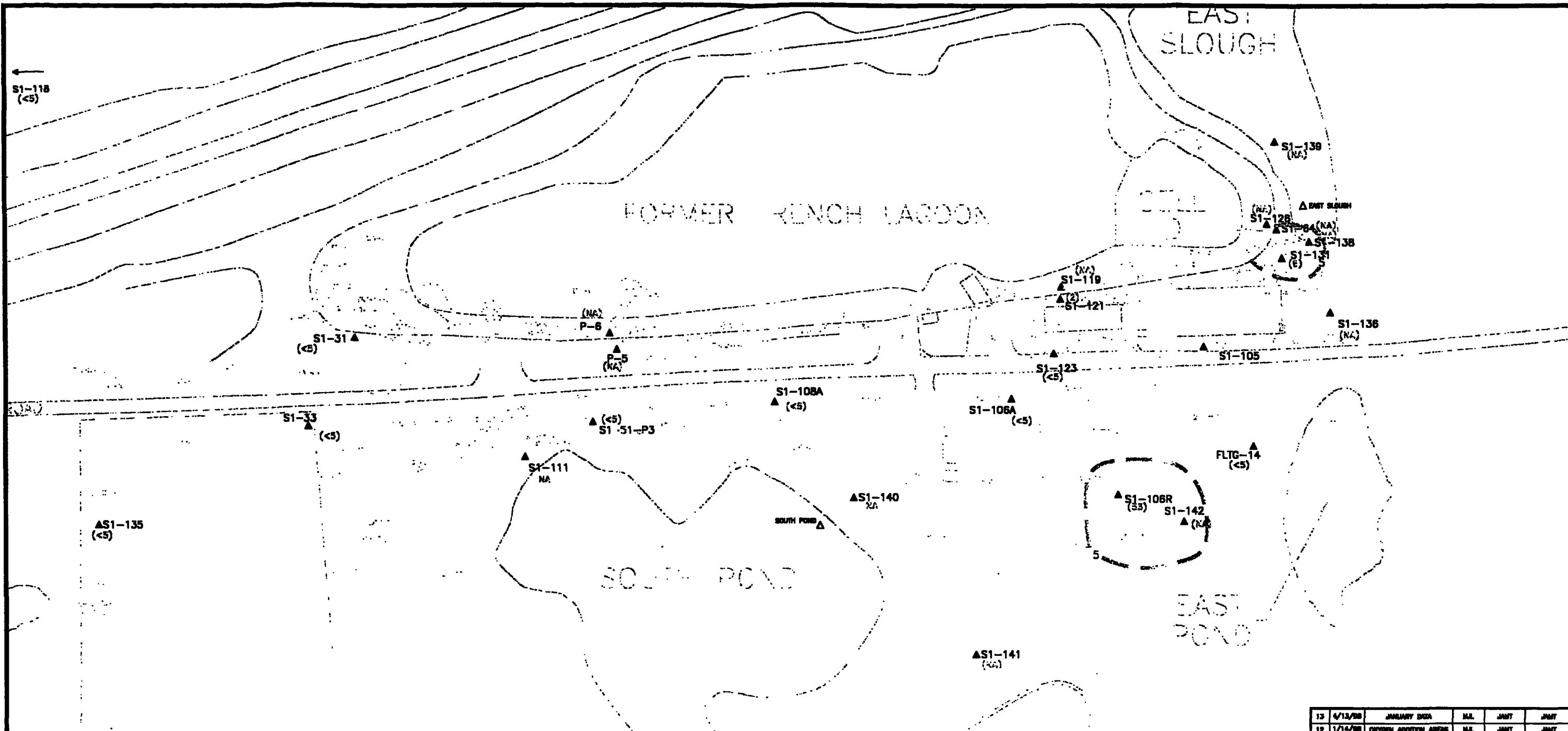
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16	1/14/98	OXYGEN ABSORPTION AREAS	N.L.	JANT	JANT
15	1/15/97	OCTOBER DATA	N.L.	JANT	JANT
14	10/2/97	SEPTEMBER DATA	N.L.	JANT	JANT
13	9/16/97	JULY DATA	I.G.B.	JANT	JANT
N.L.	DATE	REVISION	DRAWN	CHECKED	APPROVED

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FRENCH LIMITED SITE  
CROSBY, TEXAS**

**FIGURE 2-15**  
TOC

INT UNIT  
JANUARY 1998

JAMT 4/13/98 FRENCHQM.DWG  
MJL 1"-150'  
JAMT 28-01 1 OF 1



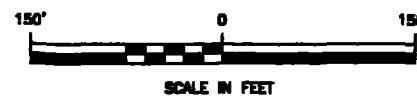
### LEGEND

- ▲ S1 PROGRESS MONITORING WELL
- △ SURFACE WATER STAFF GAUGE
- Former S1 INJECTION WELL
- Former S1 MONITORING WELL
- Former S1 PRODUCTION WELL
- Former S1/INT MONITORING WELL

(<0.5) BENZENE (ppb)  
 NA NOT ANALYZED  
 BENZENE CONTOUR (ppb)

Contours are dashed where inferred. Contours are inferred from January 1998 micropurge sampling results at progress monitoring wells, results of previous quarterly sampling at wells which are now plugged, and operational monitoring data (January 1992 – December 1995). See section 2.4 for discussion.

NOTE: ALL WELLS ARE PLUGGED EXCEPT PROGRESS MONITORING WELLS.



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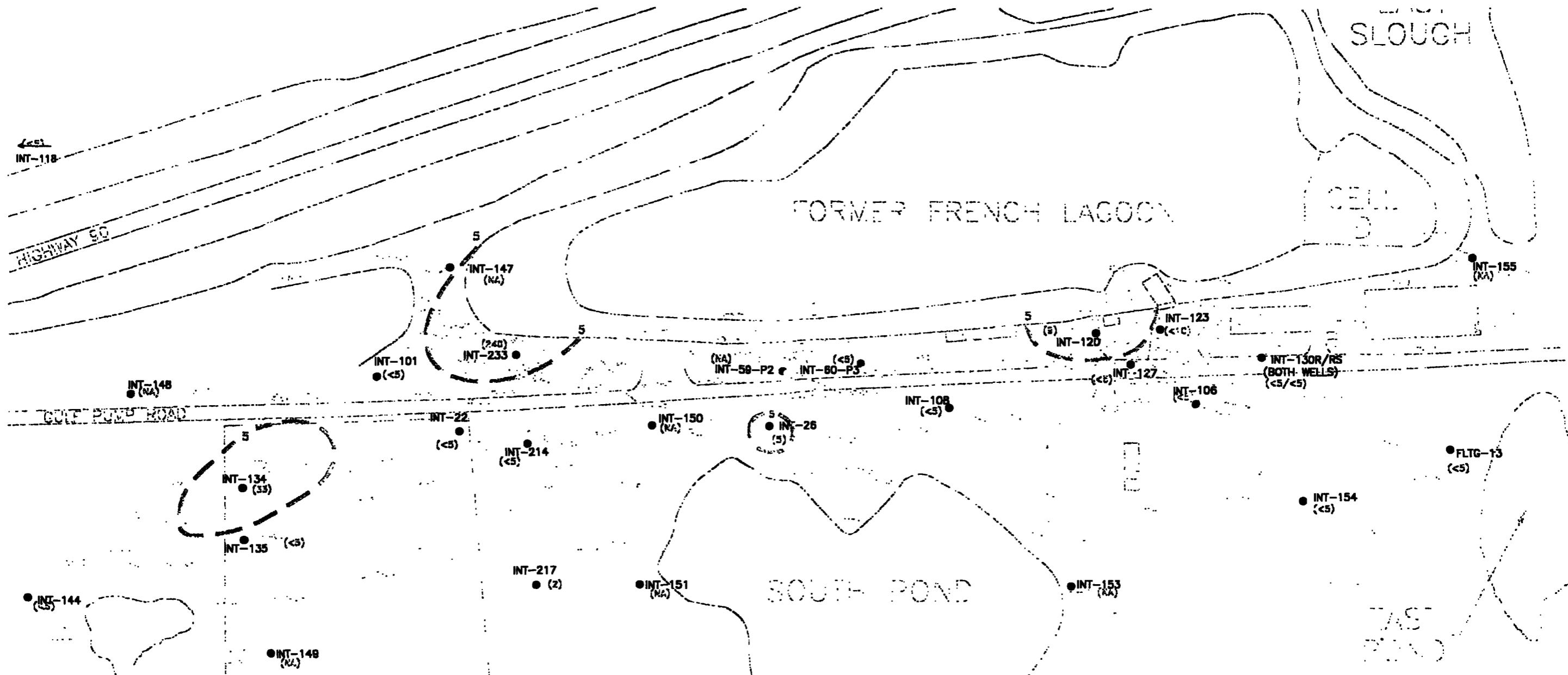
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12	1/14/98	OXYGEN ADDITION AREAS	MJL	JAMT	JAMT
11	11/16/97	OCTOBER DATA	MJL	JAMT	JAMT
10	10/3/97	SEPTEMBER DATA	MJL	JAMT	JAMT
9	8/10/97	JULY DATA	XLB	JAMT	JAMT
NO	DATE	REVISION	DRAWN	CHECKED	APPROVED

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 CROSBY, TEXAS

FIGURE 2-16  
BENZENE

S1 UNIT  
JANUARY 1998

JAMT	4/13/98	FRENCHQM.DWG
MJL	AS SHOWN	
JAMT	26-01	1 OF 1



Contours are dashed where inferred. Contours are inferred from January 1998 micropurge sampling results at progress monitoring wells, results of previous quarterly sampling at wells which are now plugged, and operational monitoring data (January 1992 - December 1995). See section 2.4 for discussion.

NOTE: ALL WELLS ARE PLUGGED EXCEPT PROGRESS MONITORING WELLS.



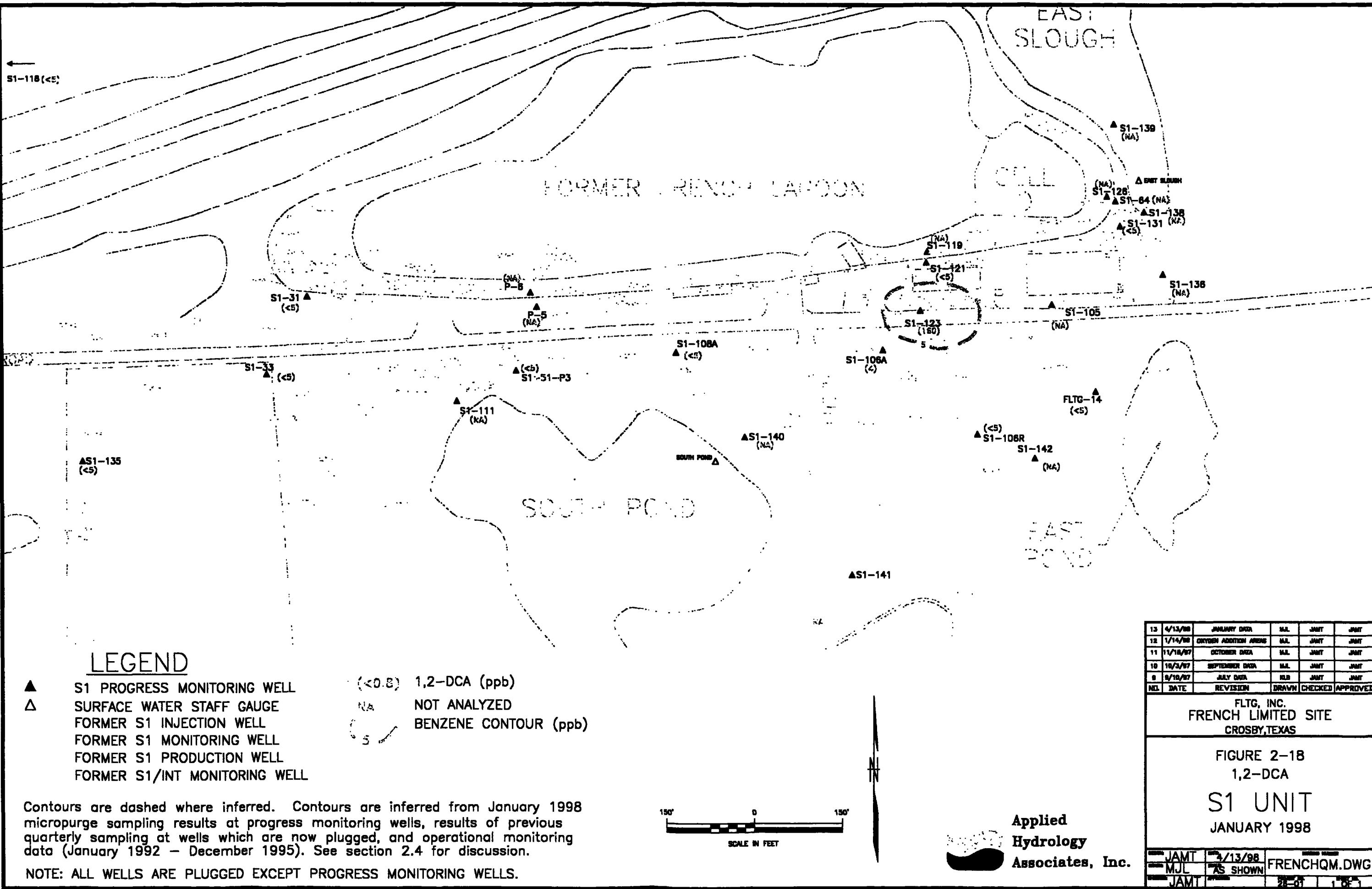
Applied  
Hydrology  
Associates, Inc.

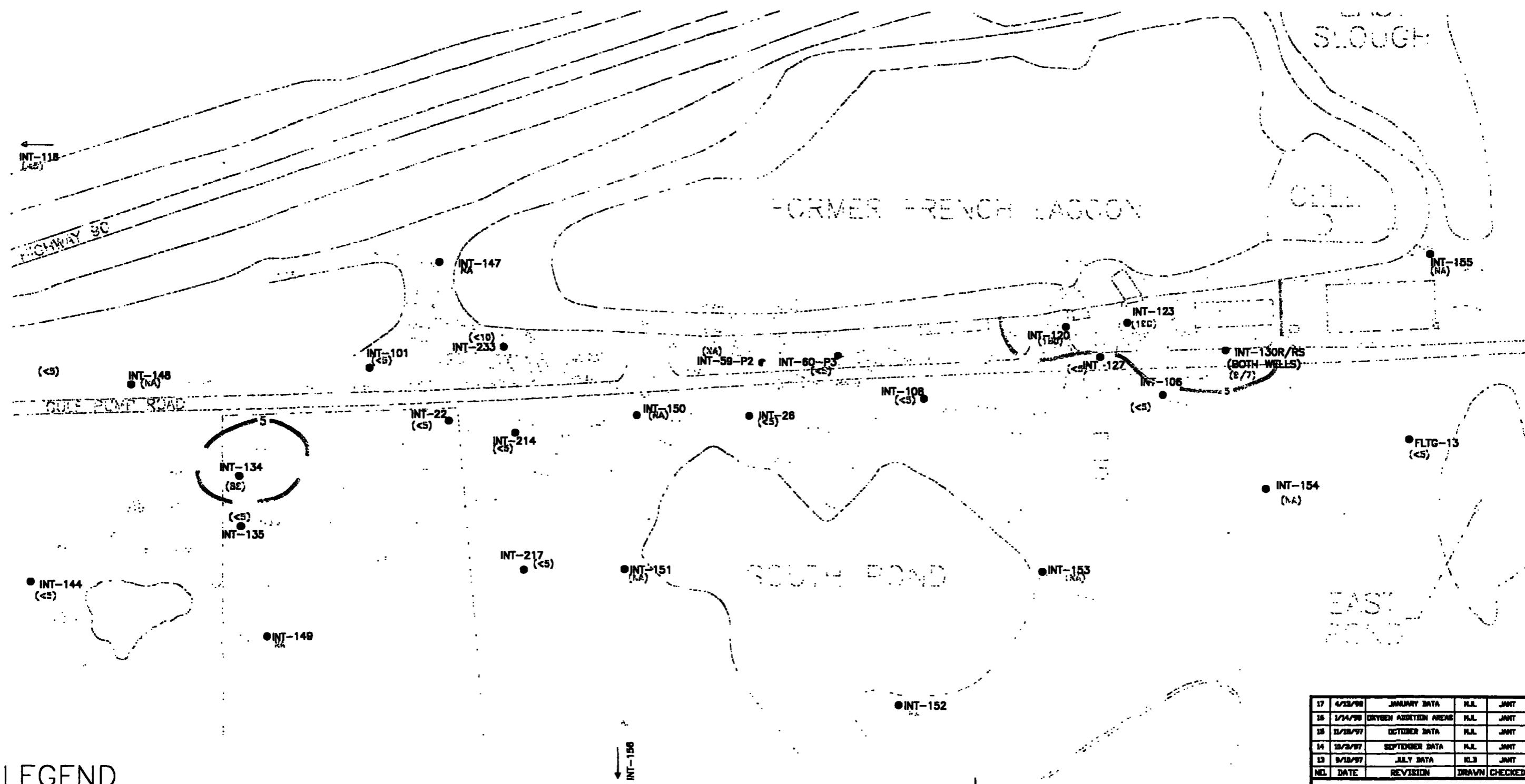
17	4/23/98	JANUARY DATA	M.J.L.	J.A.M.T.	J.A.M.T.
16	1/14/98	OXYGEN ABSORPTION AREAS	M.J.L.	J.A.M.T.	J.A.M.T.
18	11/18/97	OCTOBER DATA	M.J.L.	J.A.M.T.	J.A.M.T.
14	10/2/97	SEPTEMBER DATA	M.J.L.	J.A.M.T.	J.A.M.T.
19	9/18/97	JULY DATA	K.L.B.	J.A.M.T.	J.A.M.T.
NO.	DATE	REVISION	DRAWN	CHECKED	APPROVED

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FRENCH LIMITED SITE  
CROSBY, TEXAS

FIGURE 2-17  
BENZENE  
INT UNIT  
JANUARY 1998

JAMT	4/13/98	FRENCHQM.DWG	
M.J.L.	1'-150'		
JAMT	20-01	10P-1	





## LEGEND

- |                                |        |                       |
|--------------------------------|--------|-----------------------|
| ● INT PROGRESS MONITORING WELL | (<0.5) | 1,2-DCA (ppb)         |
| FORMER INT INJECTION WELL      | N/A    | NOT ANALYZED          |
| FORMER INT MONITORING WELL     | ~0.5   | 1,2-DCA CONTOUR (ppb) |
| FORMER INT PRODUCTION WELL     |        |                       |

Contours are dashed where inferred. Contours are inferred from January 1998 micropurge sampling results at progress monitoring wells, results of previous quarterly sampling at wells which are now plugged, and operational monitoring data (January 1992 - December 1995). See section 2.4 for discussion.

NOTE: ALL WELLS ARE PLUGGED EXCEPT PROGRESS MONITORING WELLS



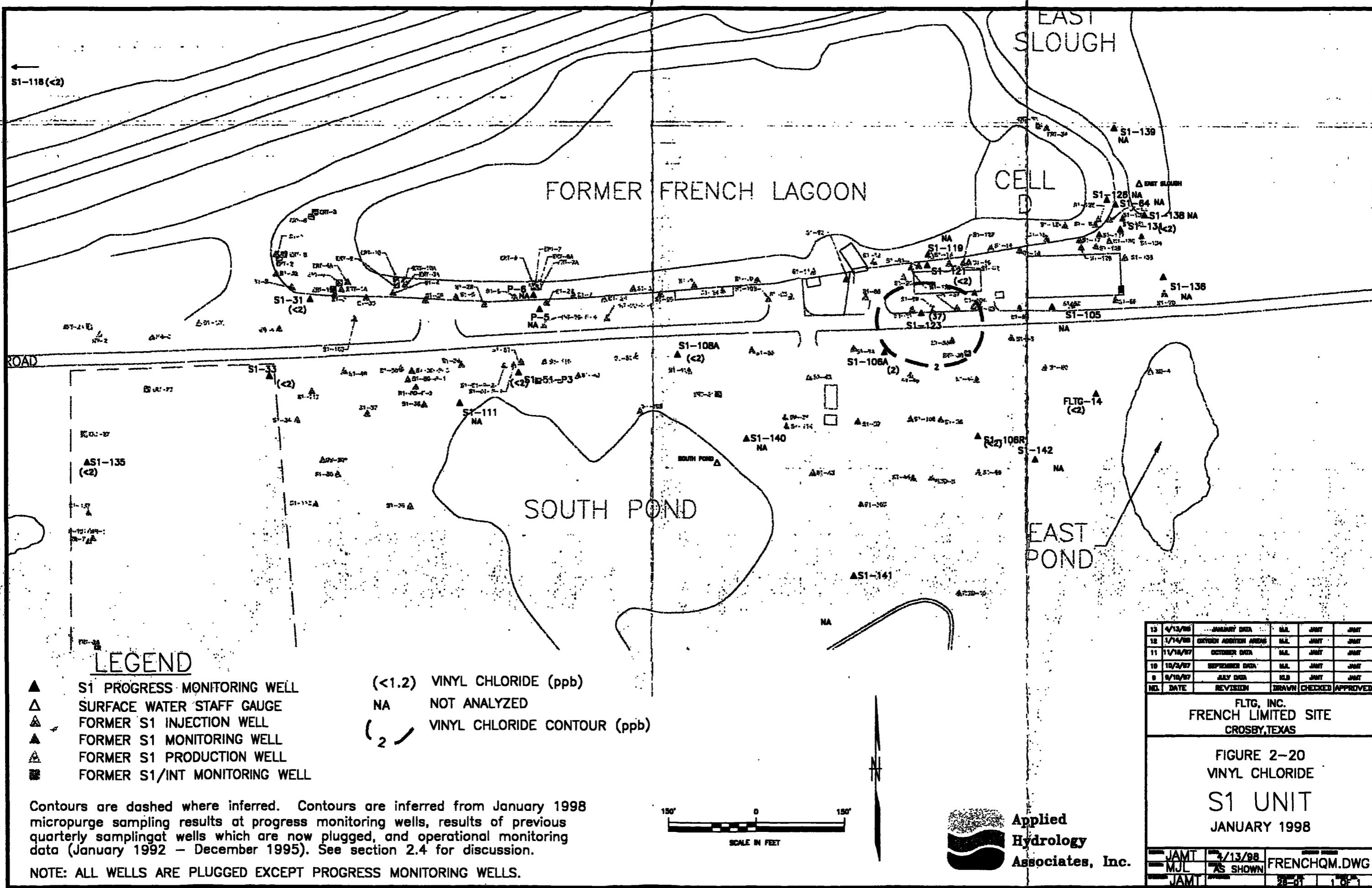
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Associates, Inc.**

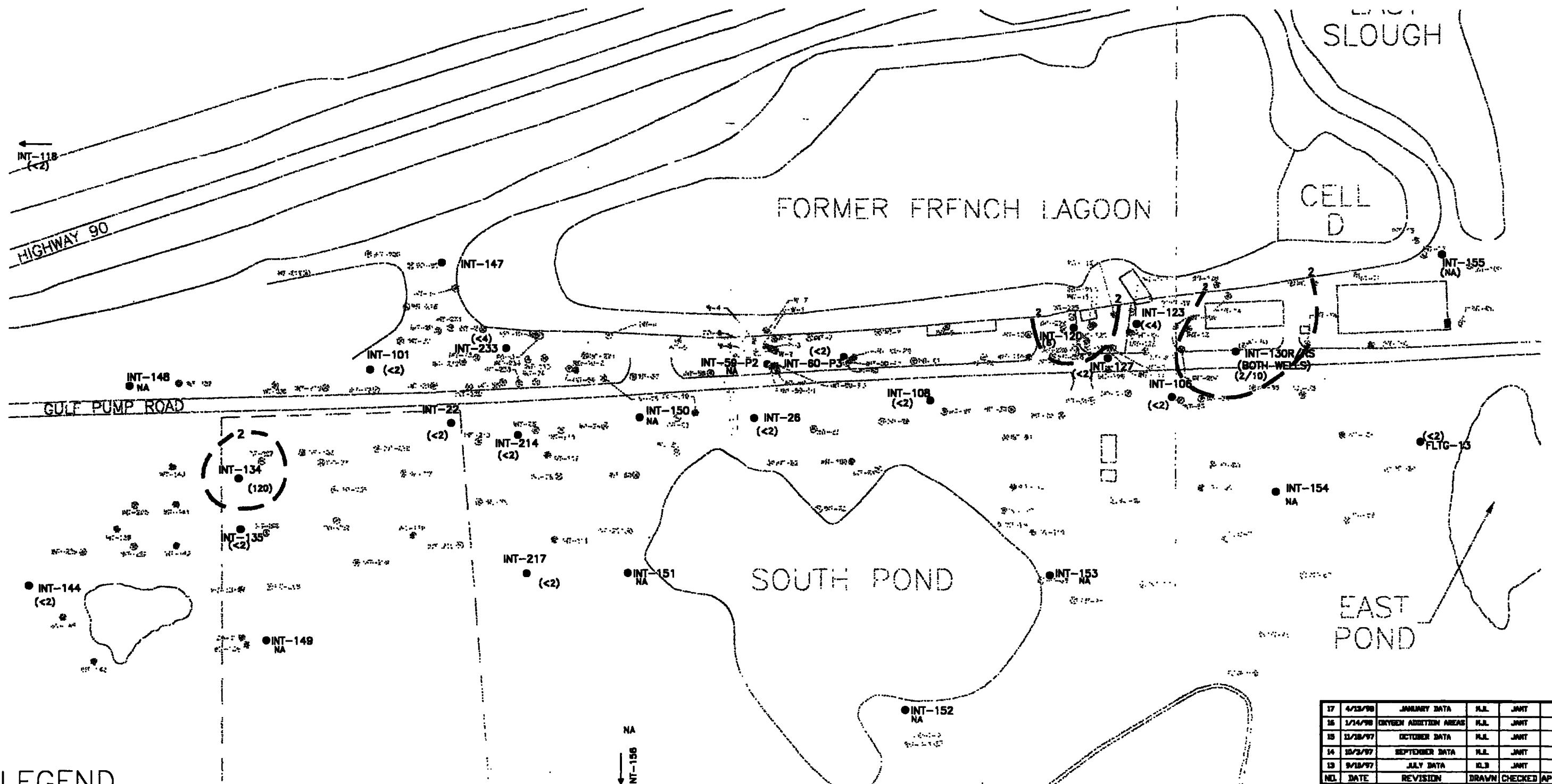
**FLTG. INC.**  
**FRENCH LIMITED SITE**  
**CROSBY TEXAS**

**FIGURE 2-19**

INT UNIT  
JANUARY 1998

JAMT 4/13/98 FRENCHQM.DWG  
MJL 1'-150'  
JAMT 28-01 1 OF 1





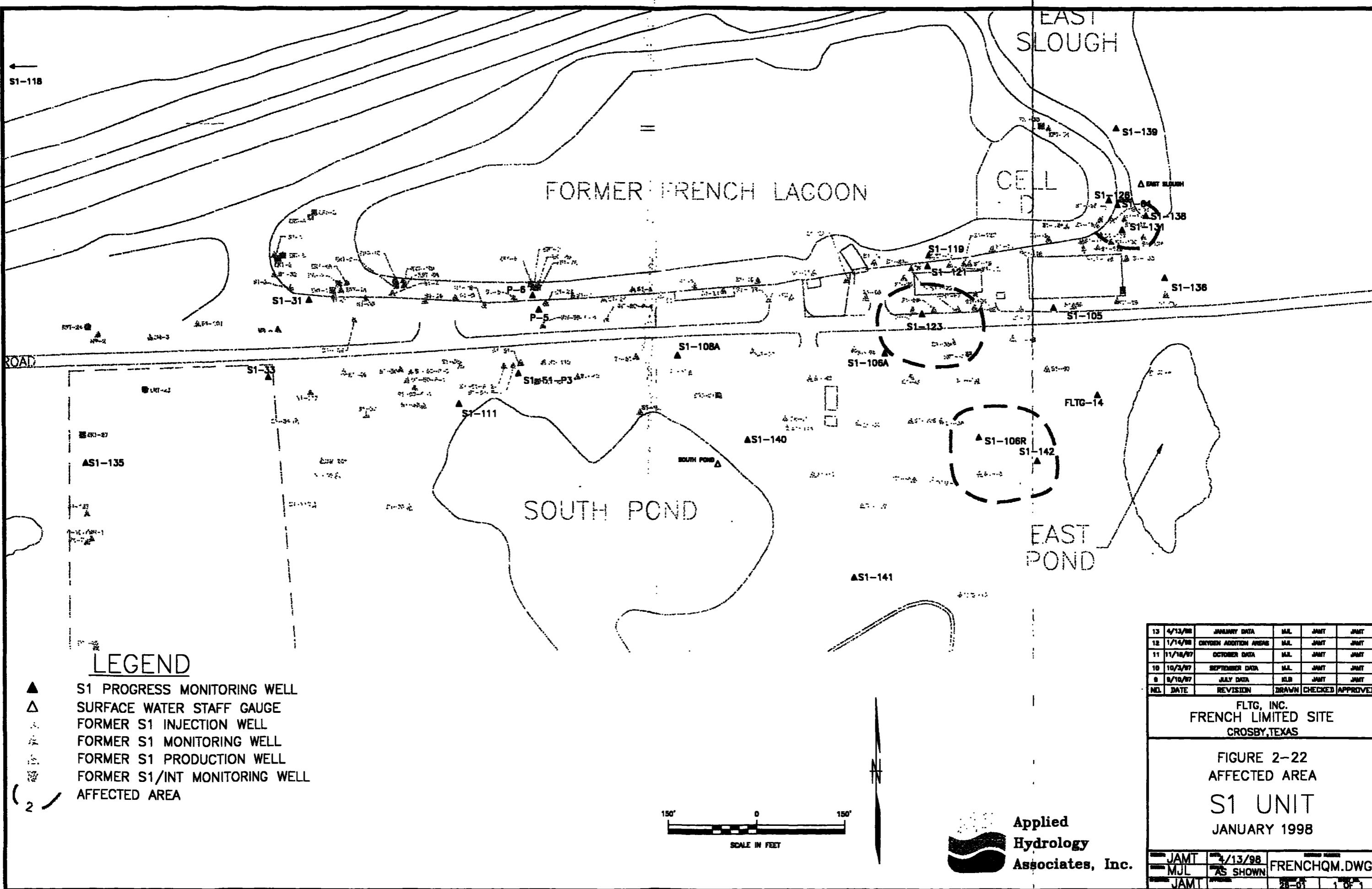
Applied  
Hydrology  
Associates, Inc.

17	4/13/98	JANUARY DATA	M.J.L.	J.A.M.T.	J.A.M.T.
16	1/14/98	OXYGEN ADDITION AREAS	M.J.L.	J.A.M.T.	J.A.M.T.
15	11/18/97	OCTOBER DATA	M.J.L.	J.A.M.T.	J.A.M.T.
14	10/3/97	SEPTEMBER DATA	M.J.L.	J.A.M.T.	J.A.M.T.
13	9/10/97	JULY DATA	M.J.L.	J.A.M.T.	J.A.M.T.
NO.	DATE	REVISION	DRAWN	CHECKED	APPROVED

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CROSBY, TEXAS

FIGURE 2-21  
VINYL CHLORIDE  
INT UNIT  
JANUARY 1998

JAMT	4/13/98	FRENCHQM.DWG
M.J.L.	1'-150'	
JAMT	26-01	1'-0P-1

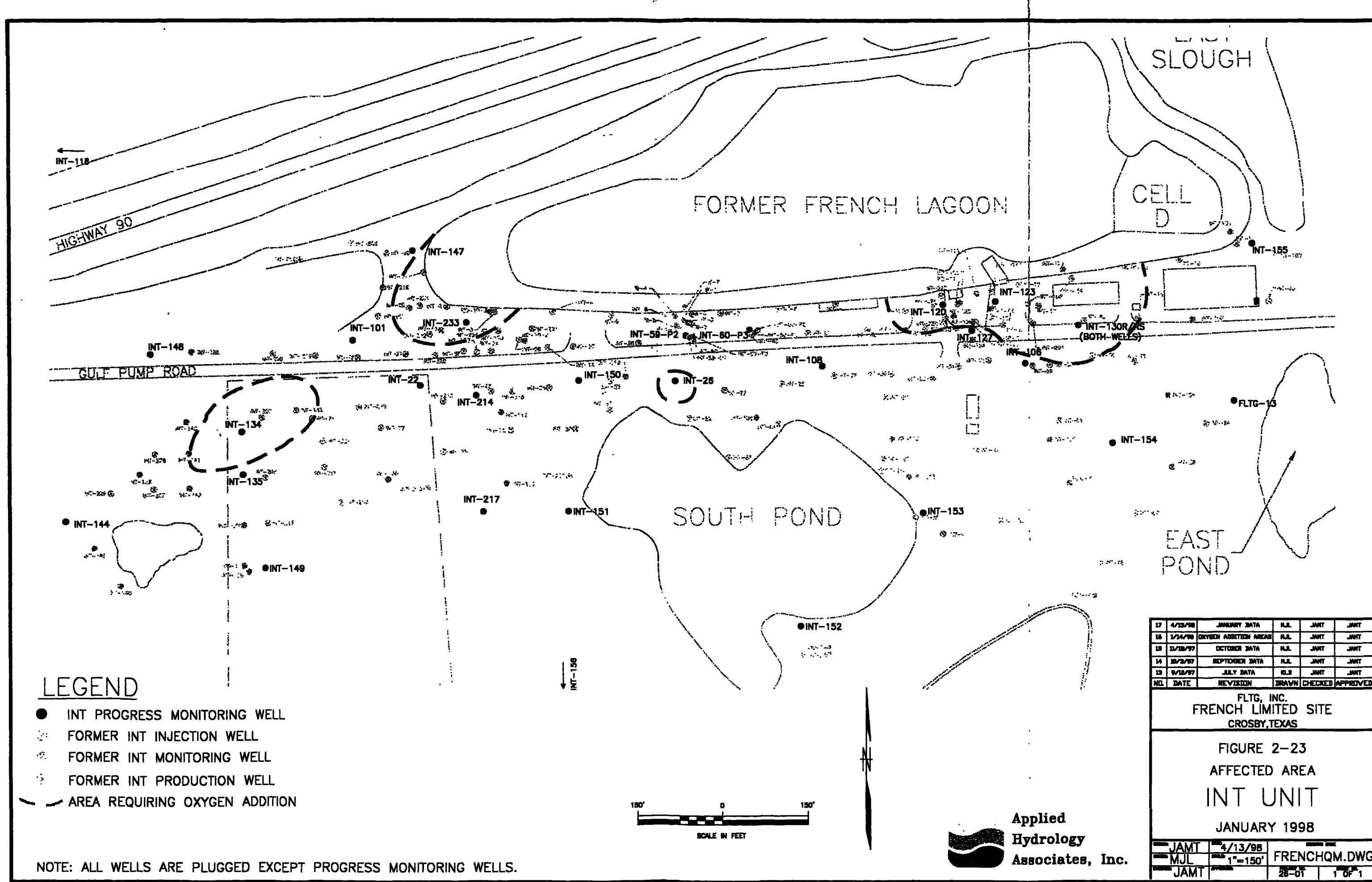


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Hydrology  
Associates, Inc.

13	4/13/98	JANUARY DATA	M.L.	JAMT	JAMT
12	1/14/98	OXYGEN ADDITION AREAS	M.L.	JAMT	JAMT
11	11/16/97	OCTOBER DATA	M.L.	JAMT	JAMT
10	10/3/97	SEPTEMBER DATA	M.L.	JAMT	JAMT
9	8/10/97	JULY DATA	KLB	JAMT	JAMT
NOL	DATE	REVISION	DRAWN	CHECKED	APPROVED

FLTG, INC.  
FRENCH LIMITED SITE  
CROSBY, TEXAS

JAMT 4/13/98 FRENCHQM.DWG  
MJL AS SHOWN  
JAMT 28-01 1 OF 1

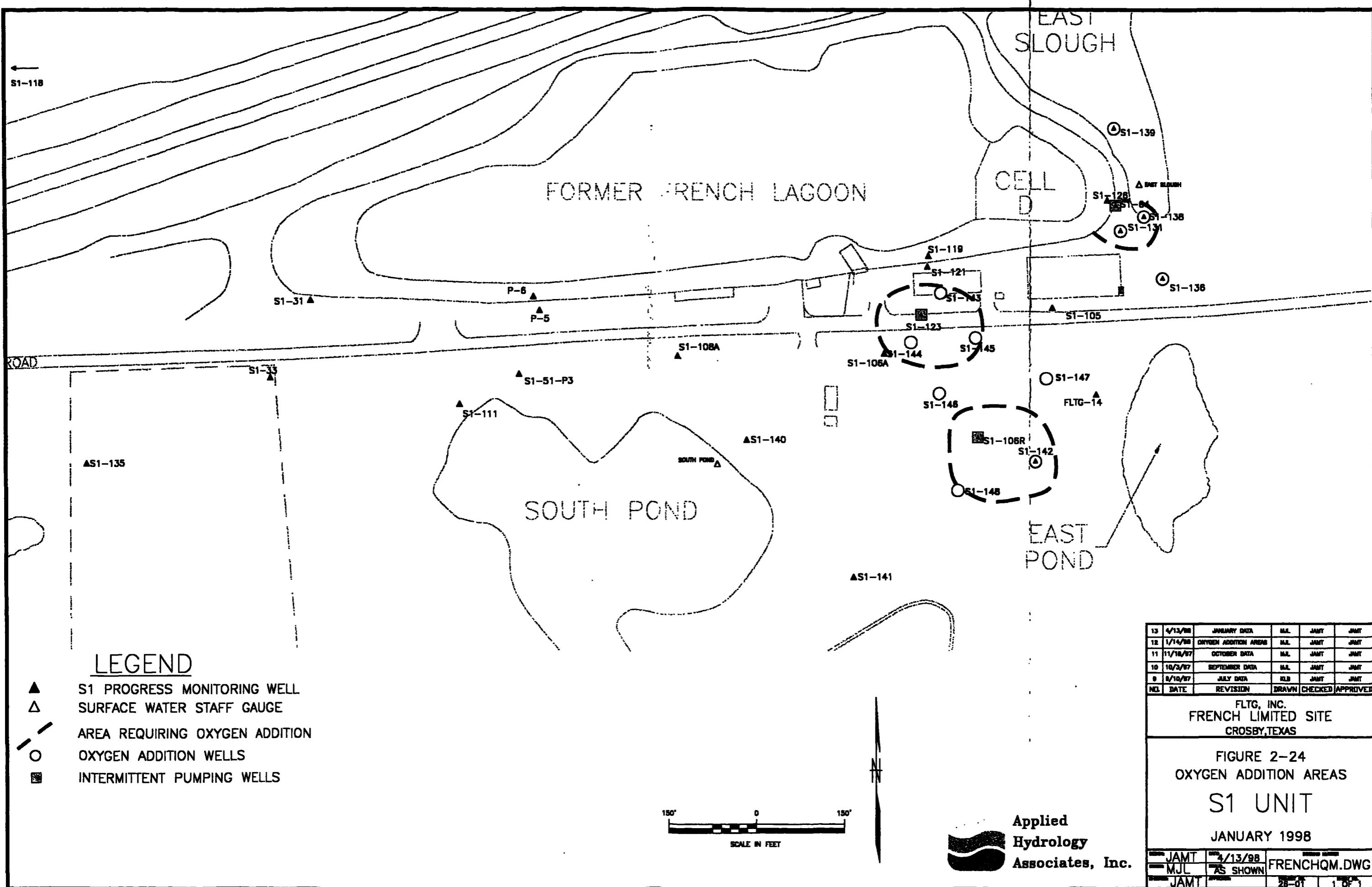


12	4/23/98	JANUARY DATA	KJL	JAMT	JAMT
13	1/14/98	OXYGEN ADDITION AREA	KJL	JAMT	JAMT
14	11/18/97	OCTOBER DATA	KJL	JAMT	JAMT
15	9/18/97	SEPTEMBER DATA	KJL	JAMT	JAMT
16	9/18/97	JULY DATA	KJL	JAMT	JAMT
ND	DATE	REVISION	DRAWN	CHECKED	APPROVED

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CROSBY, TEXAS

FIGURE 2-23  
AFFECTED AREA  
INT UNIT  
JANUARY 1998

JAMT	4/13/98	FRENCHQM.DWG
MJL	1'-150'	
JAMT	28-01	1 OF 1



### LEGEND

- ▲ S1 PROGRESS MONITORING WELL
- △ SURFACE WATER STAFF GAUGE
- - - AREA REQUIRING OXYGEN ADDITION
- OXYGEN ADDITION WELLS
- INTERMITTENT PUMPING WELLS

150' 0 150'  
SCALE IN FEET

Applied  
Hydrology  
Associates, Inc.

13	4/13/98	JANUARY DATA	M.L.	JAMT	JAMT
12	1/14/98	OXYGEN ADDITION AREAS	M.L.	JAMT	JAMT
11	11/16/97	OCTOBER DATA	M.L.	JAMT	JAMT
10	10/3/97	SEPTEMBER DATA	M.L.	JAMT	JAMT
9	8/10/97	JULY DATA	KLB	JAMT	JAMT
NO	DATE	REVISION	DRAWN	CHECKED	APPROVED

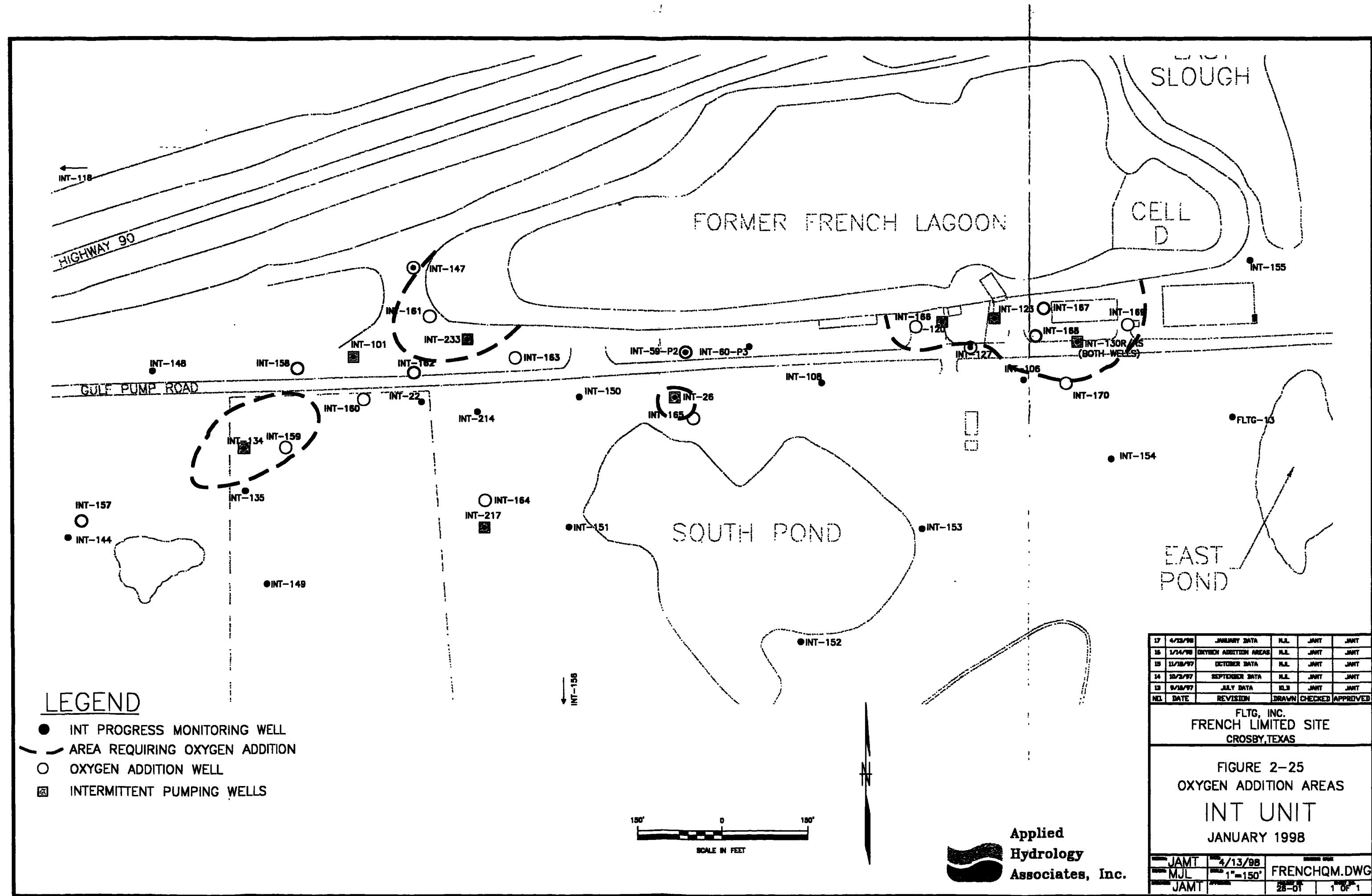
FLTG, INC.  
FRENCH LIMITED SITE  
CROSBY, TEXAS

FIGURE 2-24  
OXYGEN ADDITION AREAS

S1 UNIT

JANUARY 1998

JAMT	4/13/98	FRENCHQM.DWG
M.J.L.	AS SHOWN	
JAMT	26-01	1 OF 1



**Applied  
Hydrology  
Associates, Inc.**

17	4/13/98	JANUARY DATA	M.JL.	JAMT	JAMT
16	3/14/98	OXYGEN ADDITION AREAS	M.JL.	JAMT	JAMT
15	3/13/97	OCTOBER DATA	M.JL.	JAMT	JAMT
14	3/2/97	SEPTEMBER DATA	M.JL.	JAMT	JAMT
13	2/18/97	JULY DATA	KLD	JAMT	JAMT
NO.	DATE	REVISION	DRAWN	CHECKED	APPROVED

**FLTG, INC.**  
**FRENCH LIMITED SITE**  
**CROSBY, TEXAS**

---

**FIGURE 2-25**  
**OXYGEN ADDITION AREAS**  
**INT UNIT**  
**JANUARY 1998**

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JAMT	4/13/98	DRAWN BY	
M.JL.	1"-150"	FRENCHQM.DWG	
JAMT	APRIL	28-01	1 OF 1

**Appendix A**

**APPENDIX A**

**January 1998 groundwater sampling results and QA/QC summary**

TO : Dick Sloan  
 FROM : Rob Jaros  
 CC : Jim Thomson  
 DATE : April 8, 1998  
 RE : French Ltd. Project - Semi-annual Groundwater Monitoring

APR - 9 1998

Attached are the analytical results for the January 1998 semi-annual groundwater monitoring event and results from an event performed in February 1998 using an experimental 'hybrid' well purge method as described in Ron Jansen's memo dated January 28<sup>th</sup>, 1998(see Attachment C).

### Analytical QA/QC Summary

#### 1.0 Sampling Summary

A total of 33 groundwater monitoring wells were sampled in each event. The first event samples were collected on January 19, 20, 21 and 22, 1998. The 'hybrid' well purge method samples were collected on February 12, 13, 15, 17, 18 and 19, 1998. All samples were delivered to American Analytical and Technical Services - Baton Rouge under properly executed chains-of-custody. A sample collection summary is presented in Table 1. Table 2 lists the QC samples and their type (either field duplicate or MS/MSD). A description of the requested analyses are presented in Table 3.

Table 1  
Sampling Summary

Sample #	Sample Name	Date Collected	Analyses Requested					
01068	FLTG-013	1/19/98	VOA\$TCL	NH3N	K	NO3N	TOC	
01069	FLTG-014	1/19/98	VOA\$TCL	NH3N	K	NO3N	TOC	
01070	INT-060-P-3	1/19/98	VOA\$TCL	NH3N	K	NO3N	TOC	
01071	INT-108	1/19/98	VOA\$TCL	NH3N	K	NO3N	TOC	
01072	INT-118	1/19/98	As Cr Pb	VOA\$TCL	K	NH3N	NO3N	OP-P TOC
01073	INT-135	1/19/98	As Cr Pb	VOA\$TCL	K	NH3N	NO3N	OP-P TOC
01074	INT-144	1/19/98	As Cr Pb	VOA\$TCL	K	NH3N	NO3N	OP-P TOC
01075	INT-214	1/19/98	VOA\$TCL	NH3N	K	NO3N	TOC	
01076	S1-031	1/19/98	As Cr Pb	VOA\$TCL	K	NH3N	NO3N	OP-P TOC
01077	S1-033	1/19/98	As Cr Pb	VOA\$TCL	K	NH3N	NO3N	OP-P TOC
01078	S1-051-P-3	1/19/98	VOA\$TCL	NH3N	K	NO3N	TOC	
01079	S1-106A	1/20/98	VOA\$TCL	NH3N	K	NO3N	TOC	
01080	S1-108A	1/20/98	VOA\$TCL	NH3N	K	NO3N	TOC	
01081	S1-111	1/20/98	As Cr Pb					
01082	S1-118	1/20/98	As Cr Pb	VOA\$TCL	K	NH3N	NO3N	OP-P TOC
01083	S1-135	1/20/98	As Cr Pb	VOA\$TCL	K	NH3N	NO3N	OP-P TOC
01084	S1-121	1/20/98	VOA\$TCL	NH3N	K	NO3N	TOC	
01085	S1-121-D	1/20/98	VOA\$TCL	NH3N	K	NO3N	TOC	
01086	INT-022MSD	1/20/98	VOA\$TCL	NH3N	K	NO3N	TOC	
01087	INT-059-P2	1/20/98	As Cr Pb					
01088	S1-123MSD	1/20/98	VOA\$TCL	NH3N	K	NO3N	TOC	
01089	S1-106R	1/21/98	VOA\$TCL	NH3N	K	NO3N	TOC	
01090	S1-131	1/21/98	VOA\$TCL	NH3N	K	NO3N	TOC	
01091	INT-101	1/21/98	As Cr Pb	VOA\$TCL	K	NH3N	NO3N	OP-P TOC
01092	INT-120	1/21/98	VOA\$TCL	NH3N	K	NO3N	TOC	
01093	INT-217	1/21/98	VOA\$TCL	NH3N	K	NO3N	TOC	
01094	INT-106	1/21/98	VOA\$TCL	NH3N	K	NO3N	TOC	
01095	INT-026	1/21/98	VOA\$TCL	NH3N	K	NO3N	TOC	
01096	INT-127	1/22/98	VOA\$TCL	NH3N	K	NO3N	TOC	



**Table 1**  
Sampling Summary (continued)

Sample #	Sample Name	Date Collected	Analyses Requested					
01097	INT-127-D	1/22/98	VOA\$TCL	NH3N	K	NO3N	TOC	
01098	INT-130RS	1/22/98	VOA\$TCL	NH3N	K	NO3N	TOC	
01099	INT-123	1/22/98	VOA\$TCL	NH3N	K	NO3N	TOC	
01100	INT-134	1/22/98	VOA\$TCL	NH3N	K	NO3N	TOC	
01101	INT-134-D	1/22/98	VOA\$TCL	NH3N	K	NO3N	TOC	
01102	INT-130R	1/22/98	VOA\$TCL	NH3N	K	NO3N	TOC	
01103	INT-233MSD	1/22/98	VOA\$TCL	NH3N	K	NO3N	TOC	
01104	S1-135	2/12/98	As Cr Pb	VOA\$TCL	K	NH3N	NO3N	OP-P TOC
01105	S1-111	2/12/98	As Cr Pb					
01106	S1-108A	2/12/98	VOA\$TCL	NH3N	K	NO3N	TOC	
01107	INT-214	2/12/98	VOA\$TCL	NH3N	K	NO3N	TOC	
01108	INT-135	2/12/98	As Cr Pb	VOA\$TCL	K	NH3N	NO3N	OP-P TOC
01109	INT-138	2/12/98	VOA\$TCL	NH3N	K	NO3N	TOC	
01110	S1-033	2/12/98	As Cr Pb	VOA\$TCL	K	NH3N	NO3N	OP-P TOC
01113	INT-022	2/13/98	VOA\$TCL	NH3N	K	NO3N	TOC	
01114	S1-051-P-3	2/13/98	VOA\$TCL	NH3N	K	NO3N	TOC	
01115	INT-144	2/13/98	As Cr Pb	VOA\$TCL	K	NH3N	NO3N	OP-P TOC
01116	INT-118	2/13/98	As Cr Pb	VOA\$TCL	K	NH3N	NO3N	OP-P TOC
01117	S1-118	2/13/98	As Cr Pb	VOA\$TCL	K	NH3N	NO3N	OP-P TOC
01118	S1-031	2/13/98	As Cr Pb	VOA\$TCL	K	NH3N	NO3N	OP-P TOC
01119	S1-121	2/13/98	VOA\$TCL	NH3N	K	NO3N	TOC	
01120	S1-121-D	2/13/98	VOA\$TCL	NH3N	K	NO3N	TOC	
01123	INT-060-P-3	2/15/98	VOA\$TCL	NH3N	K	NO3N	TOC	
01124	S1-106A	2/15/98	VOA\$TCL	NH3N	K	NO3N	TOC	
01125	FLTG-013	2/15/98	VOA\$TCL	NH3N	K	NO3N	TOC	
01126	FLTG-014	2/15/98	VOA\$TCL	NH3N	K	NO3N	TOC	
01127	S1-106R	2/15/98	VOA\$TCL	NH3N	K	NO3N	TOC	
01128	INT-026	2/17/98	VOA\$TCL	NH3N	K	NO3N	TOC	
01129	INT-217	2/17/98	VOA\$TCL	NH3N	K	NO3N	TOC	
01130	INT-106	2/17/98	VOA\$TCL	NH3N	K	NO3N	TOC	
01131	INT-059-P-2	2/17/98	As Cr Pb					
01132	INT-101	2/17/98	As Cr Pb	VOA\$TCL	K	NH3N	NO3N	OP-P TOC
01133	S1-131	2/17/98	VOA\$TCL	NH3N	K	NO3N	TOC	
01135	INT-233MSD	2/18/98	VOA\$TCL	NH3N	K	NO3N	TOC	
01136	INT-127MSD	2/18/98	VOA\$TCL	NH3N	K	NO3N	TOC	
01137	S1-123MSD	2/18/98	VOA\$TCL	NH3N	K	NO3N	TOC	
01139	INT-130R	2/18/98	VOA\$TCL	NH3N	K	NO3N	TOC	
01141	INT-120	2/18/98	VOA\$TCL	NH3N	K	NO3N	TOC	
01142	INT-130RS	2/18/98	VOA\$TCL	NH3N	K	NO3N	TOC	
01143	INT-134MSD	2/18/98	VOA\$TCL	NH3N	K	NO3N	TOC	
01144	INT-123	2/19/98	VOA\$TCL	NH3N	K	NO3N	TOC	

-D suffix on well name indicates field duplicate

MSD suffix on well name indicates MS/MSD QC set



**Table 2**  
**Quality Control / Quality Assurance Sample Summary**

Sample Name	QC Type	Date Collected	Parameters
S1-121	FIELD DUP	01/20/98	VOA\$TCL NH3N K NO3N TOC
INT-022	MS/MSD	01/20/98	VOA\$TCL NH3N K NO3N TOC
S1-123	MS/MSD	01/20/98	VOA\$TCL NH3N K NO3N TOC
INT-127	FIELD DUP	01/22/98	VOA\$TCL NH3N K NO3N TOC
NT-134	FIELD DUP	01/22/98	VOA\$TCL NH3N K NO3N TOC
NT-233	MS/MSD	01/22/98	VOA\$TCL NH3N K NO3N TOC
S1-121	FIELD DUP	02/13/98	VOA\$TCL NH3N K NO3N TOC
S1-123	MS/MSD	02/18/98	VOA\$TCL NH3N K NO3N TOC
NT-127	MS/MSD	02/18/98	VOA\$TCL NH3N K NO3N TOC
NT-233	MS/MSD	02/18/98	VOA\$TCL NH3N K NO3N TOC
NT-134	MS/MSD	02/18/98	VOA\$TCL NH3N K NO3N TOC

**Table 3**  
**Summary of Requested Analyses**

Abbreviation	Analysis Description	Method
VOA\$TCL	Volatile Organics	SW846 - 8240
As	Arsenic	EPA 200.7 / SW 6010
Cr	Chromium	EPA 200.7 / SW 6010
Pb	Lead	EPA 200.7 / SW 6010
K	Potassium	EPA 200.7 / SW 6010
TOC	Total Organic Carbon	EPA 415.1
NH3N	Ammonia as N	EPA 350.3
NO3N	Nitrate as N	EPA 300.0
OP-P	Orthophosphate (P)	EPA 365.2

### 1.1 Analytical Data Validation

All analytical data was validated manually for these samples. Table 4 outlines the QC checks made on this data as applicable to the analytical method. All analytical data met QA/QC requirements with the exception of those listed in Tables 5-a and 5-b. Field duplicate precision summaries are presented in Attachment B.

**Table 4**  
**QA/QC Validation Check Summary**

Validation Check
Holding Time - Method stated time between date sampled and date of extraction or analysis.
Method Sequence - Method stated sequence of analyses for instrument calibration and duration of sample analysis time after compliant calibration.
Surrogate Recovery - Surrogate compounds are added to the analysis procedure at a known concentration to verify method effectiveness. Surrogate recoveries are method specific ranges used to qualify analytical results.
Method Blank Cleanliness - Laboratory prepared sample to verify sampling and analytical procedures in a clean matrix.
Laboratory Control Spike Recovery and Precision Check - Lab grade blank material spiked with analytes of interest. To verify analytical accuracy in a clean matrix.



**Table 4**  
**QA/QC Validation Check Summary (cont.)**

Validation Check
Field Duplicate Precision - Checks precision (reproducibility) of sampling techniques and analytical procedures.
MS/MSD Recovery & Precision Data - Checks sampling, preparation and analysis accuracy and precision

**Table 5-a**  
**QC Exception Summary - January 1998 Event**

Problem	Comment
The surrogate compound 1,2-dichloroethane-d <sub>4</sub> exceeded the recovery limit for sample FL01088 (S1-132).	This surrogate compound exceeded the QC range for sample, MS and MSD analyses. No further corrective action is required.
Benzene recoveries in MS/MSD set for FLC1088 (S1-123) exceeded QC limits.	Recoveries for all MS/MSD compounds fall on the 'high side' of the QC range, however, all precision data was well within compliance criteria.
Benzene precision and recovery data were low in MS/MSD set for FLC1103(INT-233).	The amount of benzene spiked in the sample(10ppb) was interfered with by the high concentration found naturally in the sample.
Project required detection limits were exceeded on samples FL01099(INT-123) and FL01103(INT-233). The vinyl chloride detection limit reported for both samples is 4 ppb.	The lab should have run one undiluted analysis to achieve a detection limit of "<2". The lab was instructed by memo (prior to sampling) what the required detection limits should be. The concentrations of other target analytes detected in these samples should not have interfered with this request.
Method blank VBLKCR analyzed on 01/29/98 reported 4ppb of 1,1,2,2-tetrachloroethane	No samples associated with this blank reported the contaminant compound. The blank meets method blank cleanliness criteria. No corrective action is required.

**Table 5-b**  
**QC Exception Summary - February 1998 Event**

Problem	Comment
Project required detection limits were exceeded on sample FL01142(INT-130RS) and FL01139(INT-130R). The vinyl chloride detection limits reported are 50ppb and 200ppb respectively.	The concentrations of chlorinated target analytes (some>3000ppb) detected in these samples may have contaminated instrumentation and led to false positives due to carry over. No corrective action is needed for this detection limit failure.
Project required detection limits were exceeded on sample FL01103(INT-233). The vinyl chloride detection limit reported is 4 ppb.	The lab should have run one undiluted analysis to achieve a detection limit of "<2". The lab was instructed by memo (prior to sampling) what the required detection limits should be. The concentrations of other target analytes detected in these samples should not have interfered with this request.



**Table 5-b (cont.)**  
**QC Exception Summary - February 1998 Event**

Four(4) sets of MS/MSDs were collected in the February sampling. One set met all QC criteria. In the remaining sets, recoveries were low on two sets and high on one. Precision was acceptable.	The concentration of the matrix spike solution (5ppb) used is ten times lower than current method protocols utilize. This was modified to assure the method's and the lab's ability to detect site specific target compounds at compliance criteria concentrations. The concentration added to QC samples will be examined.
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### **1.2 Submissions**

All samples were analyzed using appropriate methods and analysis sequences for the requested parameters. All samples met project QC criteria except for those listed in Tables 5-a and 5-b. The QC issues presented in Section 1.1 do not adversely affect the data for its intended use.

Analytical data summaries are presented in Attachment A for all samples.

### **1.3 Data Evaluation**

All analytical data was summarized and submitted to project consultants and management for review. All analytical data reports submitted by the laboratory were examined for completeness and validated prior to entering the data into the project database. Complete analytical packages from the lab are available for review.



Remedial Operations Group, Inc.

**Attachment A**

**French Ltd. Project**

**Historical Analytical Summaries for Compliance Wells**

**(through February '98)**

## QUARTERLY GROUNDWATER MONITORING

First Quarter, 1998 Semi-annual

Well Name  
FL TQ 013

French Limited Project

FL TQ, Inc.

Date Col'd	Sample Number	CONDUCT umhos	DO PPM	DtoWTR Ft	FLDpH pH un	TEMP Deg C	AS ug/L	CR ug/L	PB ug/L	TOC mg/L	K mg/L	NH3N mg/L	NO3N mg/L	O-PO4-P mg/L	12DCA ug/L	ACET ug/L	BENZ ug/L	TOL ug/L	VINCHL ug/L	
4/9/92	FL 00597															11	<10	7	4	<10
7/15/92	FL 00598															<5	<10	<5	<5	<10
9/29/92	FL 00599															<5	5	7	<5	<10
12/14/92	FL 00600															<5	<10	3	3	<10
12/29/93	FL 00601															<08	<6	<03	<05	<12
12/21/94	FL 00602	600	2.6	7.62	21					6.1	0.93	<0.1	<2	<2	<06	<6	<03	<05	<12	
1/16/96	FL 00604	300	1.8	7.4	21					<5	1.13	<0.1	0.41	<01	<08	<6	<03	<05	<12	
4/12/96	FL 00605	350	1.8	7.44	21					4.4	1.06	<0.1	<02	<01	<08	<6	<03	<05	<12	
7/22/96	FL 00607	345	0.1	7.01	22					<1	1.1	<0.1	<005	0.075	<08	<6	<03	<05	<12	
10/7/96	FL 00608	600	1	2.37	6.9	23				3.4	1.12	<0.1	<02	<01	<5	<10	<5	<5	<10	
1/24/97	FL 00609	490	0.3	1.99	6.61	20				5.8	0.942	<0.1	<02	<01	<5	<10	J2	<5	3	
3/22/97	FL 00662			1.47																
4/14/97	FL 00708	400	0.4	1.61	6.73	20				4.8	0.89	<0.1	<02	<01	<5	<10	<5	<5	<2	
5/31/97	FL 00763			1.36																
7/14/97	FL 00809	400	0.2	2.86	6.75	23				4.6	0.944	<0.1	<02	<01	<5	<10	<5	<5	<2	
8/18/97	FL 00851			3.99																
9/11/97	FL 00910			4.54																
10/6/97	FL 00969			4.03																
10/14/97	FL 01028	500	0.3	4.03	7.02	22.8				3.9	1.2	0.11	<0.2	<0.1	<5	<10	<5	<5	<2	
1/19/98	FL 01068	450	0.6	1.42	7.16	19				7.7	1.78	<0.1	<0.2	0.1	<5	<10	<5	<5	<2	
2/15/98	FL 01125	1000	0.7	1.38	7.02	21				5	1	<0.1	1.5	<0.1	<5	<10	<5	<5	<2	

Number in parentheses is cleanup criteria

CONDU = Specific Conductivity (NC)  
 FLDPH = Field pH (NC)  
 CR = Chromium (100)  
 K = Potassium (NC)  
 O-PO4-P = Orthophosphate-P (NC)  
 BENZ = Benzene (5)

DO = Dissolved Oxygen (NC)  
 TEMP = Temperature (NC)  
 PB = Lead (15)  
 NH3N = Ammonia-N (NC)  
 12DCA = 1,2-Dichloroethane (5)  
 TOL = Toluene (1000)

DTOWT = Depth to Water (NC)  
 AS = Arsenic (50)  
 TOC = Total Organic Carbon (NC)  
 NO3N = Nitrate-N (NC)  
 ACET = Acetone (3500)  
 VINCHL = Vinyl chloride (2)

< Less than shown detection limit  
 J Detected conc below detection limit  
 E Conc exceeded instrument calibration range  
 B Analyte also found in method blank  
 D Concentration derived from dilution  
 NC = No cleanup criteria

QUARTERLY GROUNDWATER MONITORING  
First Quarter 1998 Semi-annual

Well Name  
FL TG-014

French Limited Project  
FL TG Inc.

Date Col'd	Sample Number	CONDUCT umhos	DO PPM	DTOWTR Ft	FLDPH pH un	TEMP Deg C	AS ug/L	CR ug/L	PB ug/L	TOC mg/L	K mg/L	NH3N mg/L	NO3N mg/L	O-PO4-P mg/L	12DCA ug/L	ACET ug/L	BENZ ug/L	TOL ug/L	VINCHL ug/L
4/9/92	FL 00610														2	< 10	< 5	< 5	< 10
7/15/92	FL 00611														< 5	< 10	< 5	< 5	< 10
9/29/92	FL 00612														< 5	< 10	6	< 5	< 10
12/14/92	FL 00613														< 5	< 10	2	2	< 10
12/29/93	FL 00614														< 0.8	< 6	< 0.3	< 0.5	< 12
12/21/94	FL 00615	1000	2.4		7.77	21				8.2	182	< 0.1	< 2	< 2	< 0.8	< 6	< 0.3	< 0.5	< 12
1/16/96	FL 00617	220	1.4		7.15	19				< 3	1.3	0.5	< 0.2	< 0.1	< 0.8	< 6	< 0.3	< 0.5	< 12
4/12/96	FL 00618	300	1.7		7.03	22				5.9	161	0.7	< 0.2	< 0.1	< 0.8	< 6	7	3	< 12
7/22/96	FL 00620	390	0.1		6.97	22				< 1	18	0.87	< 0.05	0.37	< 0.8	< 6	< 0.3	< 0.5	< 12
10/7/96	FL 00621	1100	1.4	174	6.61	24				5.6	181	0.6	< 0.2	< 0.1	< 5	< 10	< 5	< 5	< 10
1/24/97	FL 00622	419	0.15	1.63	6.81	18				7.8	165	0.7	< 0.2	0.1	< 5	< 10	< 5	< 5	< 2
3/22/97	FL 00663			1.21															
4/14/97	FL 00709	350	0.4	1.31	6.76	20				6.4	159	0.6	< 0.2	< 0.1	< 5	< 10	< 5	< 5	< 2
5/31/97	FL 00764			1.05															
7/14/97	FL 00810	600	0.2	2.36	6.53	26				7.5	231	111	< 0.2	< 0.1	< 5	< 10	< 5	< 5	< 2
8/18/97	FL 00852			3.54															
9/11/97	FL 00911			4.2															
10/6/97	FL 00970			3.76															
10/14/97	FL 01029	450	0.4	3.76	6.88	23.7				6.4	1.9	1.43	< 0.2	0.1	< 5	< 10	< 5	< 5	< 2
1/19/98	FL 01069	350	0.5	1.26	7.28	19				8.4	18	0.62	< 0.2	0.1	< 5	< 10	< 5	< 5	< 2
2/15/98	FL 01126	950	0.6	1.24	6.99	19				5.9	15	0.93	< 0.2	< 0.1	< 5	< 10	< 5	< 5	< 2

Number in parentheses is cleanup criteria

CONDU = Specific Conductivity (NC)

FLDPH = Field pH (NC)

CR = Chromium (100)

K = Potassium (NC)

O-PO4-P = Orthophosphate-P (NC)

BENZ = Benzene (5)

DO = Dissolved Oxygen (NC)

TEMP = Temperature (NC)

PB = Lead (15)

NH3N = Ammonia-N (NC)

12DCA = 1,2-Dichloroethane (5)

TOL = Toluene (1000)

DTOWT = Depth to Water (NC)

AS = Arsenic (50)

TOC = Total Organic Carbon (NC)

NO3N = Nitrate-N (NC)

ACET = Acetone (3500)

VINCHL = Vinyl chloride (2)

< Less than shown detection limit

J Detected conc below detection limit

F Conc exceeded instrument calibration range

B Analyte also found in method blank

D Concentration derived from dilution

NC = No cleanup criteria

QUARTERLY GROUNDWATER MONITORING  
First Quarter, 1998 Semi-annual

Well Name  
INT-022

French Limited Project  
FLTG, Inc.

Date Col'd	Sample Number	CONDUCT umhos	DO PPM	DtowTR Ft	FLDpH pH un	TEMP Deg C	AS ug/L	CR ug/L	PB ug/L	TOC mg/L	K mg/L	NH3N mg/L	NO3N mg/L	o-PO4-P mg/L	12DCA ug/L	ACET ug/L	BENZ ug/L	TOL ug/L	VINCHL ug/L
4/4/95	FL 00632									160									
10/2/95	FL 00633	850	4.2		7.09	24				25	83.8	0.8	16.7	<0.2	9	<6	9	<0.5	19
1/17/96	FL 00634	550	1.8		6.88	23	21	<10	<5	<0.4	31.7	0.8	2	2.6	<0.8	<6	44	3	26
4/12/96	FL 00635	600	1.6		6.9	21				4.2	33.1	0.4	0.24	<0.1	<0.8	<6	<0.3	<0.5	<1.2
7/22/96	FL 00637	650	0.2		7.21	22				<1	39	0.13	0.07	0.08	<0.8	<6	<0.3	<0.5	<1.2
10/7/96	FL 00638	875	0.8	5.29	7.01	23				4.1	28.8	0.3	<0.2	<0.1	<5	<10	4	3	<10
1/24/97	FL 00639	775	0.2	4.88	6.81	21				6.5	27.9	0.2	<0.2	<0.1	<5	<10	<5	<5	<2
3/22/97	FL 00664				3.8														
4/15/97	FL 00725	650	0.2	4.12	6.91	21				4.2	27.2	0.3	<0.2	<0.1	<5	<10	<5	<5	<2
5/31/97	FL 00765				3.85														
7/15/97	FL 00827	650	0.2	4.68	6.79	23				4.6	24.1	0.4	<0.2	<0.2	<5	<10	<5	<5	<2
8/18/97	FL 00853				5.27														
9/11/97	FL 00912				5.48														
10/6/97	FL 00971				4.91														
10/14/97	FL 01030	550	0.3	4.91	6.69	22.4				5.4	23.9	0.67	<0.2	0.1	<5	<10	<5	<5	<2
1/20/98	FL 01086	350	0.6	2.9	7.51	21				5.2	24.1	0.12	<0.2	0.1	<5	<10	<5	<5	<2
2/13/98	FL 01113	700	0.6	3.91	6.98	21				6	22.3	0.51	<0.2	<0.1	<5	<10	<5	<5	<2

Number in parentheses is cleanup criteria

CONDU = Specific Conductivity (NC)  
FLDPH = Field pH (NC)  
CR = Chromium (100)  
K = Potassium (NC)  
O-PO4-P = Orthophosphate-P (NC)  
BENZ = Benzene (5)

DO = Dissolved Oxygen (NC)  
TEMP = Temperature (NC)  
PB = Lead (15)  
NH3N = Ammonia-N (NC)  
12DCA = 1,2-Dichloroethane (5)  
TOL = Toluene (1000)

DTOWT = Depth to Water (NC)  
AS = Arsenic (50)  
TOC = Total Organic Carbon (NC)  
NO3N = Nitrate-N (NC)  
ACET = Acetone (3500)  
VINCHL = Vinyl chloride (2)

< Less than shown detection limit  
J Detected conc. below detection limit  
E Conc. exceeded instrument calibration range  
B Analyte also found in method blank  
D Concentration derived from dilution  
NC = No cleanup criteria

QUARTERLY GROUNDWATER MONITORING  
First Quarter, 1998 Semi-annual

Well Name  
INT-026

French Limited Project  
FLTG, Inc.

Date Col'd	Sample Number	CONDUCT umhos	DO PPM	DtOWTR Ft	FLDpH pH un	TEMP Deg C	AS ug/L	CR ug/L	PB ug/L	TOC mg/L	K mg/L	NH3N mg/L	NO3N mg/L	o-PO4-P mg/L	12DCA ug/L	ACET ug/L	BENZ ug/L	TOL ug/L	VINCHL ug/L
4/4/95	FL 00642								107										
1/17/96	FL 00643	800	2.5		6.37	22				<3	926	1.2	4	586	<0.8	<6	180	7	<1.2
4/12/96	FL 00644	550	1.2		6.95	21				47.3	82.4	1.6	<0.2	37.4	<0.8	<6	98	<0.5	<1.2
7/22/96	FL 00646	900	0.1		7	24				27.6	78	2	<0.05	35	<0.8	<6	100	<0.5	<1.2
10/7/96	FL 00647	1000	0.7	3.68	6.95	23.5				34.1	43.7	1.5	<0.2	36.3	<5	<10	75	<5	<10
1/24/97	FL 00648	810	0.2	2.56	7.22	20.5				27.5	18.7	0.6	<0.2	9.4	<5	<10	24	<5	<2
3/22/97	FL 00665			2.52															
4/16/97	FL 00734	500	0.1	2.68	6.97	20				22	15.9	1.4	<0.2	6.9	<5	<10	24	<5	<2
5/31/97	FL 00766			2.33															
7/16/97	FL 00836	800	0.1	3.15	6.69	22				17.6	11.3	1.2	<0.2	7.1	<5	<10	38	<5	<2
7/16/97	FL 00846			3.15															
8/18/97	FL 00854			3.23															
9/11/97	FL 00913			3.05															
10/6/97	FL 00972			2.67															
10/14/97	FL 01031	510	0.2	2.67	6.52	22.4				31.8	7.8	1.86	<0.2	5.8	<5	<10	89	<5	<2
1/21/98	FL 01095	285	0.4	2.05	7.27	21				11.9	5.22	0.27	<0.2	2.6	<5	<10	5	<5	<2
2/17/98	FL 01128	1000	0.7	2.06	6.72	21				20.7	6	0.85	<0.2	3.8	<5	<10	49	<5	<2

Number in parentheses is cleanup criteria

CONDU = Specific Conductivity (NC)  
FLDPH = Field pH (NC)  
CR = Chromium ( 100)  
K = Potassium (NC)  
O-PO4-P = Orthophosphate-P (NC)  
BENZ = Benzene ( 5)

DO = Dissolved Oxygen (NC)  
TEMP = Temperature (NC)  
PB = Lead ( 15)  
NH3N = Ammonia-N (NC)  
12DCA = 1,2-Dichloroethane ( 5)  
TOL = Toluene ( 1000)

DTOWT = Depth to Water (NC)  
AS = Arsenic ( 50)  
TOC = Total Organic Carbon (NC)  
NO3N = Nitrate-N (NC)  
ACET = Acetone ( 3500)  
VINCHL = Vinyl chloride ( 2)

< Less than shown detection limit  
J Detected conc. below detection limit  
E Conc. exceeded instrument calibration range  
B Analyte also found in method blank  
D Concentration derived from dilution  
NC = No cleanup criteria

QUARTERLY GROUNDWATER MONITORING  
First Quarter, 1998 Semi-annual

Well Name  
INT-059-P-2

French Limited Project  
FLTG, Inc.

Date Col'd	Sample Number	CONDUCT umhos	DO PPM	DtowTR Ft	FLDpH pH un	TEMP Deg C	AS ug/L	CR ug/L	PB ug/L	TOC mg/L	K mg/L	NH3N mg/L	NO3N mg/L	o-PO4-P mg/L	12DCA ug/L	ACET ug/L	BENZ ug/L	TOL ug/L	VINCHL ug/L	
6/25/92	FL 00655														3	62	26	12	<10	
9/27/92	FL 00656														32	3900	580	250	56	
12/11/92	FL 00657														<5000	100000	<5000	<5000	<10000	
12/29/93	FL 00658														12	9713	443	97	24	
12/21/94	FL 00660																			
12/21/94	FL 00659						47.3	<0.7		18.4			0.42	<2	2.6	<0.8	<6	21	<0.5	<1.2
1/16/96	FL 00661	230	0.7		6.95	23	68	<10	<5	<5										
4/12/96	FL 00002	300	1.3		7.03	21	50	<10	<5											
7/22/96	FL 00004	390	6.606		6.86	24	32	<10	<3		2.6									
10/7/96	FL 00005	975	0.8	6.78	6.66	25	41	<10	<5											
1/24/97	FL 00006	490	0.1	5.38	6.73	21	46	<10	<5						<5	<10	J 3	<5	<2	
3/22/97	FL 00666			5.17																
4/15/97	FL 00726	300	0.2	5.35	6.88	21	43	<10	<5											
5/31/97	FL 00767			4.98																
7/15/97	FL 00828	280	0.2	5.82	6.74	24	45	<10	<5											
8/18/97	FL 00855			5.94																
9/11/97	FL 00914			5.79																
10/6/97	FL 00973			5.36																
10/15/97	FL 01047	320	0.7	5.36	6.81	23.9	44	<10	<5											
1/20/98	FL 01087	370	0.3	2.82	7.02	22	46	<10	<5											
2/17/98	FL 01131	900	1.3	4.75	6.69	23	60	<10	<5											

Number in parentheses is cleanup criteria

CONDU = Specific Conductivity (NC)

FLDPH = Field pH (NC)

CR = Chromium (100)

K = Potassium (NC)

O-PO4-P = Orthophosphate-P (NC)

BENZ = Benzene (5)

DO = Dissolved Oxygen (NC)

TEMP = Temperature (NC)

PB = Lead (15)

NH3N = Ammonia-N (NC)

12DCA = 1,2-Dichloroethane (5)

TOL = Toluene (1000)

DTOWT = Depth to Water (NC)

AS = Arsenic (50)

TOC = Total Organic Carbon (NC)

NO3N = Nitrate-N (NC)

ACET = Acetone (3500)

VINCHL = Vinyl chloride (2)

< Less than shown detection limit

J Detected conc. below detection limit

E Conc. exceeded instrument calibration range

B Analyte also found in method blank

D Concentration derived from dilution

NC = No cleanup criteria

QUARTERLY GROUNDWATER MONITORING  
First Quarter, 1998 Semi-annual

Well Name  
INT-060-P-3

French Limited Project  
FLTG, Inc.

Date Col'd	Sample Number	CONDUCT umhos	DO PPM	DtoWTR Ft	FLDpH pH un	TEMP Deg C	AS ug/L	CR ug/L	PB ug/L	TOC mg/L	K mg/L	NH3N mg/L	NO3N mg/L	o-PO4-P mg/L	12DCA ug/L	ACET ug/L	BENZ ug/L	TOL ug/L	VINCHL ug/L
1/18/96	FL 00009	500	15		6.77	22				<3	37.9	<0.1	41.6	0.2	<0.8	<6	<0.3	<0.5	<1.2
4/12/96	FL 00010	850	15		7.02	21				2.2	118	0.1	112	<0.1	<0.8	<6	25	11	<1.2
7/22/96	FL 00012	1380	15		7.14	24				<1	120	<0.1	100	0.065	<0.8	<6	<0.3	<0.5	<1.2
10/7/96	FL 00013	1425	13	6.06	7.06	24.5				1.4	124	<0.1	91	<0.1	<5	<10	<5	<5	<10
1/24/97	FL 00014	1150	9.7	4.99	7.17	21				4	85.6	<0.1	74.4	<0.1	<5	<10	<5	<5	<2
3/22/97	FL 00667				4.87														
4/14/97	FL 00710	900	9.8	5.07	7.11	21				3.3	59	<0.1	50.5	<0.1	<5	<10	<5	<5	<2
5/31/97	FL 00768				4.66														
7/14/97	FL 00811	1280	15	5.82	7.42	23				1.6	95.5	<0.1	91.2	5.1	<5	<10	<5	<5	<2
8/18/97	FL 00856				5.78														
9/11/97	FL 00915				5.65														
10/6/97	FL 00974				5.21														
10/15/97	FL 01048	610	3.4	5.21	7.23	23.8				4.1	46.8	<0.1	32.7	<0.1	<5	<10	<5	<5	<2
1/19/98	FL 01070	750	2.8	4.6	7.59	22				4	60	<0.1	45	0.1	<5	<10	<5	<5	<2
2/15/98	FL 01123	1000	5.5	4.42	7.17	23				2.6	81.1	<0.1	70.5	<0.1	<5	<10	<5	<5	<2

Number in parentheses is cleanup criteria

CONDU = Specific Conductivity (NC)

FLDPH = Field pH (NC)

CR = Chromium (100)

K = Potassium (NC)

O-PO4-P = Orthophosphate-P (NC)

BENZ = Benzene (5)

DO = Dissolved Oxygen (NC)

TEMP = Temperature (NC)

PB = Lead (15)

NH3N = Ammonia-N (NC)

12DCA = 1,2-Dichloroethane (5)

TOL = Toluene (1000)

DTOWT = Depth to Water (NC)

AS = Arsenic (50)

TOC = Total Organic Carbon (NC)

NO3N = Nitrate-N (NC)

ACET = Acetone (3500)

VINCHL = Vinyl chloride (2)

< Less than shown detection limit

J Detected conc. below detection limit

E Conc. exceeded instrument calibration range

B Analyte also found in method blank

D Concentration derived from dilution

NC = No cleanup criteria

QUARTERLY GROUNDWATER MONITORING  
First Quarter, 1998 Semi-annual

Well Name  
INT-101

French Limited Project  
FLTG, Inc.

Date Col'd	Sample Number	CONDUCT umhos	DO PPM	DtOWTR Ft	FLDpH pH un	TEMP Deg C	AS ug/L	CR ug/L	PB ug/L	TOC mg/L	K mg/L	NH3N mg/L	NO3N mg/L	o-PO4-P mg/L	12DCA ug/L	ACET ug/L	BENZ ug/L	TOL ug/L	VINCHL ug/L	
12/29/91	FL 00017	3000	2.2		7.1	30.2	80	< 20	< 25											
6/25/92	FL 00018									263		0.42	< 0.05	< 0.01	1100	< 100	2500	65	1300	
9/27/92	FL 00019										3.7	< 0.1	< 0.02	1.8	530	< 250	1200	< 120	680	
12/11/92	FL 00020	2500	2.8		6.97	20.06	46	< 4	< 30	251	16.3	0.45	< 0.05	0.01	< 250	< 500	2100	< 250	440	
3/25/93	FL 00021	1900	2.7		11.38	20.8				208		0.2	< 0.05	0.03	1400	< 100	1100	57	270	
6/22/93	FL 00022	2300	4.7		6.94	23.1				229	1.24	0.25	< 0.05	0.04	110	< 100	1100	< 50	220	
9/10/93	FL 00023									173	2.02	0.25	< 0.05	0.5	622	< 10	1233	35	843	
12/29/93	FL 00024									104	< 1120		< 0.05	0.11	26	< 30	497	25	< 6	
12/29/93	FL 00025	1000	2.9		6.76	22														
3/22/94	FL 00026	1050	1		6.82	22														
3/22/94	FL 00027																			
6/7/94	FL 00028	1200	2.2		6.78	22														
9/5/94	FL 00029	1300	1.6			24														
12/21/94	FL 00031																			
12/21/94	FL 00030	1550	2.6		6.74	21	130	< 2.6	< 2.5	39	1.66	0.14	< 2	< 2	< 4	< 30	530	< 2.5	< 6	
3/12/95	FL 00033										0.91	< 0.1	< 0.2	0.3						
3/12/95	FL 00032	1000	0.1		6.75	21														
4/4/95	FL 00035																			
4/4/95	FL 00034	850	0.5		6.85	22				89		1.07	< 0.1	< 0.2	< 0.2					
5/5/95	FL 00036	480	0.3		6.67	23				60		0.97	< 0.1	< 0.7	< 0.7	< 1.6				
6/6/95	FL 00038	1100	0.3		6.74	23														
6/6/95	FL 00037																			
7/5/95	FL 00039	890	0.8		6.76	23				85		1.28	< 0.1	< 0.1	< 0.1	< 0.8				
8/2/95	FL 00040	700	0.3		6.53	23				86		1.25	< 0.1	< 0.1	< 0.1	< 2				
9/1/95	FL 00041	850	0.3		6.37	23				112		1.52	< 0.1	< 0.2	< 0.2	< 2.664				
10/2/95	FL 00042	400	1.7		7.14	24				99		0.7	< 0.1	< 0.2	< 0.2	< 0.8				

Number in parentheses is cleanup criteria

CONDU = Specific Conductivity (NC)  
FLDPH = Field pH (NC)  
CR = Chromium (100)  
K = Potassium (NC)  
O-PO4-P = Orthophosphate-P (NC)  
BENZ = Benzene (5)

DO = Dissolved Oxygen (NC)  
TEMP = Temperature (NC)  
PB = Lead (15)  
NH3N = Ammonia-N (NC)  
12DCA = 1,2-Dichloroethane (5)  
TOL = Toluene (1000)

DTOWTR = Depth to Water (NC)  
AS = Arsenic (50)  
TOC = Total Organic Carbon (NC)  
NO3N = Nitrate-N (NC)  
ACET = Acetone (3500)  
VINCHL = Vinyl chloride (2)

< Less than shown detection limit  
J Detected conc. below detection limit  
E Conc. exceeded instrument calibration range  
B Analyte also found in method blank  
D Concentration derived from dilution  
NC = No cleanup criteria

QUARTERLY GROUNDWATER MONITORING  
First Quarter, 1998 Semi-annual

Well Name  
INT-101

French Limited Project  
FLTG, Inc.

Date Col'd	Sample Number	CONDUT umhos	DO PPM	DtOWTR Ft	FLDpH pH un	TEMP Deg C	AS ug/L	CR ug/L	PB ug/L	TOC mg/L	K mg/L	NH3N mg/L	NO3N mg/L	o-PO4-P mg/L	12DCA ug/L	ACET ug/L	BENZ ug/L	TOL ug/L	VINCHL ug/L	
11/1/95	FL 00043	530	0.3		6.59	24				92	1.26	<0.1	<0.2	<0.2	<0.8	<6	120	<0.5	<1.2	
12/15/95	FL 00044	500	0.5		6.85	23	115	<10	<5	84	1.39	<0.1	<0.2	<0.1	<2.64	<19.8	218	<1.65	<3.96	
1/22/96	FL 00045	500	1		6.97	23	96	<10	<5	<3	0.694	<0.1	<0.2	<0.1	<0.8	<6	120	<0.5	<1.2	
4/12/96	FL 00046	470	1.4		6.79	21	60	<10	<5	29.4	0.66	<0.1	<0.2	0.48	<0.8	<6	36	<0.5	<1.2	
7/22/96	FL 00048	600	0.03		6.75	22	60	<10	<3	8.8	0.63	<0.1	<0.05	0.64	<0.8	<6	36	<0.5	<1.2	
10/7/96	FL 00049	650	0.9	5.48	6.99	23	65	<10	<5	12.5	0.611	<0.1	<0.2	0.2	<5	<10	33	<5	<10	
1/24/97	FL 00050	700	0.4	4.99	7.48	21	36	<10	<5	7.4	0.534	<0.1	<0.2	0.2	<5	<10	9	<5	<2	
3/22/97	FL 00668				4.03															
4/15/97	FL 00730	400	0.5	4.41	7.58		36	<10	<5	4.2	0.944	<0.1	<0.2	0.2	<5	<10	<5	<5	<2	
5/31/97	FL 00769				4.12															
7/16/97	FL 00832	400	0.1	4.95	6.82	22	48	<10	<5	5.8	0.619	<0.1	<0.2	0.3	<5	<10	11	<5	<2	
8/18/97	FL 00857				5.66															
9/11/97	FL 00816				5.96															
10/6/97	FL 00975				5.27															
10/14/97	FL 01032	420	0.2	5.27	7.18	22.6	39	<10	<5	5.5	0.68	<0.1	0.3	0.2	<5	<10	9	<5	<2	
1/21/98	FL 01091	550	0.4	4.2	7.58	20	43	<10	<5	3.6	0.796	<0.1	<0.2	0.4	<5	<10	<5	<5	<2	
2/17/98	FL 01132	1050	0.8	4.27	7.22	22	59	<10	<5	5.2	0.86	<0.1	0.4	0.3	<5	<10	5	<5	<2	

Number in parentheses is cleanup criteria

CONDU = Specific Conductivity (NC)  
FLDPH = Field pH (NC)  
CR = Chromium (100)  
K = Potassium (NC)  
O-PO4-P = Orthophosphate-P (NC)  
BENZ = Benzene (5)

DO = Dissolved Oxygen (NC)  
TEMP = Temperature (NC)  
PB = Lead (15)  
NH3N = Ammonia-N (NC)  
12DCA = 1,2-Dichloroethane (5)  
TOL = Toluene (1000)

DTOWT = Depth to Water (NC)  
AS = Arsenic (50)  
TOC = Total Organic Carbon (NC)  
NO3N = Nitrate-N (NC)  
ACET = Acetone (3500)  
VINCHL = Vinyl chloride (2)

< Less than shown detection limit  
J Detected conc. below detection limit  
E Conc. exceeded instrument calibration range  
B Analyte also found in method blank  
D Concentration derived from dilution  
NC = No cleanup criteria

Page 2 of 2

ROG

## QUARTERLY GROUNDWATER MONITORING

First Quarter, 1998 Semi-annual

Well Name  
INT-106

French Limited Project

FLTG, Inc.

Date Col'd	Sample Number	CONDUCT umhos	DO PPM	DTOWTR Ft	FLDpH pH un	TEMP Deg C	AS ug/L	CR ug/L	PB ug/L	TOC mg/L	K mg/L	NH3N mg/L	NO3N mg/L	o-PO4-P mg/L	12DCA ug/L	ACET ug/L	BENZ ug/L	TOL ug/L	VINCHL ug/L	
12/2/91	FL 00055				7.61		20	< 20	< 25		2.2		0.09	10	250	27	< 10	< 10	< 20	
12/19/92	FL 00056				6.99	20				145	2.13	< 0.1	< 0.05	< 0.01	< 500	6800	< 500	< 500	< 1000	
12/21/92	FL 00057	1300	2.2		6.99	20														
3/24/93	FL 00058	1350	3.2		11.13	21.9				91	3.24	0.24	< 0.05	< 0.01	1900	< 500	180	< 250	< 500	
6/24/93	FL 00059				6.13	24.1				21					290	170	24	3	10	
6/25/93	FL 00060	600	5.2		6.13	24.1														
9/15/93	FL 00061	900	2.2		26.2					25	11.4	2.2	0.21	0.02	415	< 10	37	5	171	
12/29/93	FL 00062	900	15		7.45	21.2				< 1	1.89	0.11	68	0.09	91	< 6	< 0.3	< 0.5	11	
3/22/94	FL 00063	800	15		7.38	22									3	< 6	< 0.3	< 0.5	< 1.2	
6/7/94	FL 00064	800	15		7.16	22									330	< 60	< 3	< 5	< 12	
12/21/94	FL 00066																			
12/21/94	FL 00065	800	15		7.6	24									3	< 6	< 0.3	< 0.5	< 1.2	
3/12/95	FL 00068																			
3/12/95	FL 00067	1100	0.7		6.78	23									200	< 15	13	< 1.25	24	
4/4/95	FL 00070																			
4/4/95	FL 00069	1100	0		6.75	23									34	3.38	< 0.1	1.4	< 0.2	
5/5/95	FL 00071	1250	0.4		6.67	24									47	3.3	< 0.1	2.3	< 0.7	
6/6/95	FL 00072	1050	0.5		6.74	23									3.56	< 0.1	1.5	< 0.2	140	
7/5/95	FL 00073	1060	0.8		6.69	23									51	3.02	< 0.1	< 0.1	< 0.1	
8/2/95	FL 00074	950	0.3		6.56	23									51	3.01	< 0.1	0.7	< 0.1	
9/1/95	FL 00075	800	0.3		6.57	23									44	3.37	< 0.1	0.5	< 0.2	
10/2/95	FL 00076	600	0.3		6.45	23									102	2.8	< 0.1	0.8	< 0.2	
11/1/95	FL 00077	525	0.3		6.83	23										2.26	< 0.1	2.3	< 0.2	
12/15/95	FL 00078	550	0.4		7.03	23									30	3.12	< 0.1	13.4	< 0.1	
1/17/96	FL 00079	550	0.4		6.93	23									< 1.2	2.66	< 0.1	3	< 0.1	
																22	< 6	< 0.3	< 0.5	< 1.2

Number in parentheses is cleanup criteria

Page 1 of 2

CONDU = Specific Conductivity (NC)

DO = Dissolved Oxygen (NC)

DTOWT = Depth to Water (NC)

&lt; Less than shown detection limit

FLDPH = Field pH (NC)

TEMP = Temperature (NC)

AS = Arsenic (50)

J Detected conc. below detection limit

CR = Chromium (100)

PB = Lead (15)

TOC = Total Organic Carbon (NC)

E Conc. exceeded instrument calibration range

K = Potassium (NC)

NH3N = Ammonia-N (NC)

NO3N = Nitrate-N (NC)

B Analyte also found in method blank

O-PO4-P = Orthophosphate-P (NC)

12DCA = 1,2-Dichloroethane (5)

ACET = Acetone (3500)

D Concentration derived from dilution

BENZ = Benzene (5)

TOL = Toluene (1000)

VINCHL = Vinyl chloride (2)

NC = No cleanup criteria

QUARTERLY GROUNDWATER MONITORING  
First Quarter, 1998 Semi-annual

Well Name  
INT-106

French Limited Project  
FLTG, Inc.

Date Col'd	Sample Number	CONDUCT umhos	DO PPM	DtoWTR Ft	FLDpH	TEMP Deg C	AS ug/L	CR ug/L	PB ug/L	TOC mg/L	K mg/L	NH3N mg/L	NO3N mg/L	o-PO4-P mg/L	12DCA ug/L	ACET ug/L	BENZ ug/L	TOL ug/L	VINCHL ug/L
4/12/96	FL 00080	600	1.4		7.1	21				22.2	2.51	<0.1	<0.2	<0.1	63	<6	6	<0.5	<1.2
7/22/96	FL 00082	900	0.1		7.16	22				10.7	24	0.11	<0.05	0.09	54	<6	4	<0.5	<1.2
10/7/96	FL 00083	1050	0.6	2.82	7.35	24				23.6	1.71	0.1	<0.2	<0.1	30	<10	10	<5	<10
1/24/97	FL 00084	1050	0.2	1.63	6.97	21				27.1	1.9	<0.1	<0.2	<0.1	<5	<10	5	<5	<2
3/22/97	FL 00669				1.5														
4/15/97	FL 00733	650	0.2	0.39	6.99	21				11.9	2.48	<0.1	<0.2	<0.1	<5	<10	<5	<5	<2
5/31/97	FL 00770				0.91														
7/16/97	FL 00835	1250	0.2	2.91	7.4	23				5.6	2	<0.1	<0.2	<0.2	<5	<10	<5	<5	<2
8/18/97	FL 00858				3.66														
9/11/97	FL 00917				3.73														
10/6/97	FL 00976				3.04														
10/15/97	FL 01049	670	0.4	3.04	6.9	22.7				17.2	2	0.23	<0.2	<0.1	J4	<10	J3	<5	5
1/21/98	FL 01094	220	0.6	1.1	7.62	21				10.4	1.93	<0.1	<0.2	0.1	<5	<10	<5	<5	<2
2/17/98	FL 01130	1000	0.4	1.83	7.2	21				8.6	23	<0.1	0.7	0.1	5	<10	<5	<5	<2

Number in parentheses is cleanup criteria

CONDU = Specific Conductivity (NC)

FLDPH = Field pH (NC)

CR = Chromium (100)

K = Potassium (NC)

O-PO4-P = Orthophosphate-P (NC)

BENZ = Benzene (5)

DO = Dissolved Oxygen (NC)

TEMP = Temperature (NC)

PB = Lead (15)

NH3N = Ammonia-N (NC)

12DCA = 1,2-Dichloroethane (5)

TOL = Toluene (1000)

DTOWT = Depth to Water (NC)

AS = Arsenic (50)

TOC = Total Organic Carbon (NC)

NO3N = Nitrate-N (NC)

ACET = Acetone (3500)

VINCHL = Vinyl chloride (2)

< Less than shown detection limit

J Detected conc. below detection limit

E Conc. exceeded instrument calibration range

B Analyte also found in method blank

D Concentration derived from dilution

NC = No cleanup criteria

Page 2 of 2

QUARTERLY GROUNDWATER MONITORING  
First Quarter, 1998 Semi-annual

Well Name  
INT-108

French Limited Project  
FLTG, Inc.

Data Col'd	Sample Number	CONDUCT umhos	DO PPM	DtOWTR Ft	FLDpH pH un	TEMP Deg C	AS ug/L	CR ug/L	PB ug/L	TOC mg/L	K mg/L	NH3N mg/L	NO3N mg/L	o-PO4-P mg/L	12DCA ug/L	ACET ug/L	BENZ ug/L	TOL ug/L	VINCHL ug/L	
12/2/91	FL 00087	3400	1.8		6.63	18.4	100	<20	<25		36		<0.02	86	120	21000	700	150	<50	
12/19/92	FL 00088	2300	2.2		7	22.9				343	30.4	<0.1	<0.05	0.06	<50	<100	1400	310	<100	
3/24/93	FL 00089	2150	2.2		7.35	22.2				344	46.2	3.2	<0.05	1.3	<50	<100	790	120	<100	
6/24/93	FL 00090									128					<25	<50	380	20	<50	
8/28/93	FL 00091	1360	1.8		7.17	25.1				29	31.6	9.5	<0.05	11	<5	<10	21	<5	<10	
9/15/93	FL 00092									19	16.3	2.24	<0.05	6	<0.8	<6	29	6	<12	
12/29/93	FL 00093																			
3/22/94	FL 00094	392	2.3		7.22	21														
3/22/94	FL 00095				6.37	23									<0.8	<6	<0.3	<0.5	<1.2	
6/7/94	FL 00096	600	0.6												<0.8	<6	<0.3	<0.5	<1.2	
12/21/94	FL 00098				6.97	25														
12/21/94	FL 00097	400	2.1							14	8.5	1.1	<2	4.4	<0.8	<6	<0.3	<0.5	<1.2	
5/5/95	FL 00100										22	3.2	<0.2	1.6						
5/5/95	FL 00099	460	1.5		6.58	23									<0.8	<6	<0.3	<0.5	<1.2	
6/6/95	FL 00101	390	1.4		6.59	22														
8/2/95	FL 00102	480	1.5		6.46	25				13	44.1	<0.1	0.5	1.9	25	<6	3	<0.5	<1.2	
9/1/95	FL 00104														7	<6	<0.3	<0.5	<1.2	
9/1/95	FL 00103	320	0.6		6.45	27				5	41.8	0.61	1.8	0.4						
9/1/95	FL 00105																			
10/2/95	FL 00106	400	1.2		6.37	23				5.7	41.7	0.3	2.7	0.4	<0.8	<6	<0.3	<0.5	<1.2	
10/2/95	FL 00107																			
11/1/95	FL 00108	420	3		6.49	25				10	33	0.3	<0.2	0.6	<0.8	<6	<0.3	<0.5	<1.2	
12/15/95	FL 00109	410	3.8		6.76	23				7	9.8	1	<0.2	0.27	<0.8	<6	<0.3	<0.5	<1.2	
1/16/96	FL 00110	390	0.6		6.8	23				<0.4	41.4	0.2	4	0.82	<0.8	<6	<0.3	<0.5	<1.2	
4/12/96	FL 00111	450	1.5		7.19	21				5.5	39.3	<0.1	1.2	0.9	<0.8	<6	<0.3	<0.5	<1.2	

Number in parentheses is cleanup criteria

CONDU = Specific Conductivity (NC)

FLDPH = Field pH (NC)

CR = Chromium ( 100)

K = Potassium (NC)

O-PO4-P = Orthophosphate-P (NC)

BENZ = Benzene ( 5)

DO = Dissolved Oxygen (NC)

TEMP = Temperature (NC)

PB = Lead ( 15)

NH3N = Ammonia-N (NC)

12DCA = 1,2-Dichloroethane ( 5)

TOL = Toluene ( 1000)

DTOWT = Depth to Water (NC)

AS = Arsenic ( 50)

TOC = Total Organic Carbon (NC)

NO3N = Nitrate-N (NC)

ACET = Acetone ( 3500)

VINCHL = Vinyl chloride ( 2)

< Less than shown detection limit

J Detected conc. below detection limit

E Conc. exceeded instrument calibration range

B Analyte also found in method blank

D Concentration derived from dilution

NC = No cleanup criteria

QUARTERLY GROUNDWATER MONITORING  
First Quarter, 1998 Semi-annual

Well Name  
INT-108

French Limited Project  
FLTG, Inc.

Date Col'd	Sample Number	CONDUCT umhos	DO PPM	DtOWTR Ft	FLDpH pH un	TEMP Deg C	AS ug/L	CR ug/L	PB ug/L	TOC mg/L	K mg/L	NH3N mg/L	NO3N mg/L	o-PO4-P mg/L	12DCA ug/L	ACET ug/L	BENZ ug/L	TOL ug/L	VINCHL ug/L	
7/22/96	FL 00113	750	0.1		6.99	26				<1	43	0.38	<0.05	1.1	<0.8	<6	<0.3	<0.5	<1.2	
10/7/96	FL 00114	800	0.7	4.91	6.66	24.5				4.8	35.4	0.6	<0.2	1.9	<5	<10	<5	<5	<10	
1/24/97	FL 00115	700	0.2	3.59	6.78	20				8.1	34	0.9	<0.2	2.3	<5	<10	<5	<5	<2	
3/22/97	FL 00670			3.57																
4/14/97	FL 00711	600	0.4	3.83	6.85	21				4.9	35.5	<0.1	<0.2	1.3	<5	<10	<5	<5	<2	
5/31/97	FL 00771			3.3																
7/14/97	FL 00812	680	0.2	4.57	6.96	24				5.3	33.2	0.46	<0.2	2.1	<5	<10	<5	<5	<2	
8/18/97	FL 00859			4.77																
9/11/97	FL 00918			4.61																
10/6/97	FL 00977			4.16																
10/14/97	FL 01034	650	0.4	4.16	6.64	23.9				5.9	39.4	0.88	<0.2	2.3	<5	<10	<5	<5	<2	
1/19/98	FL 01071	650	0.6	3.4	7.19	21				5.7	35.1	0.25	0.2	2.5	<5	<10	<5	<5	<2	
2/12/98	FL 01109	700	0.6	3.28	6.85	23				5.8	34.7	8.34	<0.2	2.4	10	<10	<5	<5	<2	

Number in parentheses is cleanup criteria

CONDU = Specific Conductivity (NC)  
FLDPH = Field pH (NC)  
CR = Chromium (100)  
K = Potassium (NC)  
O-PO4-P = Orthophosphate-P (NC)  
BENZ = Benzene (5)

DO = Dissolved Oxygen (NC)  
TEMP = Temperature (NC)  
PB = Lead (15)  
NH3N = Ammonia-N (NC)  
12DCA = 1,2-Dichloroethane (5)  
TOL = Toluene (1000)

DTOWT = Depth to Water (NC)  
AS = Arsenic (50)  
TOC = Total Organic Carbon (NC)  
NO3N = Nitrate-N (NC)  
ACET = Acetone (3500)  
VINCHL = Vinyl chloride (2)

< Less than shown detection limit  
J Detected conc. below detection limit  
E Conc. exceeded instrument calibration range  
B Analyte also found in method blank  
D Concentration derived from dilution  
NC = No cleanup criteria

**QUARTERLY GROUNDWATER MONITORING**  
First Quarter, 1998 Semi-annual

**Well Name**  
**INT-118**

**French Limited Project**  
**FLTG, Inc.**

Date Col'd	Sample Number	CONDUCT umhos	DO PPM	DtowTR Ft	FLDpH pH un	TEMP Deg C	AS ug/L	CR ug/L	PB ug/L	TOC mg/L	K mg/L	NH3N mg/L	NO3N mg/L	o-PO4-P mg/L	12DCA ug/L	ACET ug/L	BENZ ug/L	TOL ug/L	VINCHL ug/L	
5/22/92	FL 00128														< 5	< 10	< 5	< 5	< 10	
12/17/92	FL 00129	355	3.9		7.01	24.4				1.5					< 5	< 10	< 5	< 5	< 10	
12/29/93	FL 00131	800	2.5		8.04	22									4	< 6	< 0.3	< 0.5	< 1.2	
12/29/93	FL 00130									4.2										
12/21/94	FL 00133																			
12/21/94	FL 00132	280	2		8.11	240	< 3.9	5.9	< 2.5	5	2.62	< 0.1	< 2	< 2	< 0.8	< 6	< 0.3	< 0.5	< 1.2	
12/15/95	FL 00134	210	1.3		8.19	24				2.4					< 0.8	< 6	< 0.3	< 0.5	< 1.2	
1/15/96	FL 00135	245	1.1		8.25	24	< 10	< 10	< 5	5	1.17	< 0.1	0.2	< 0.1	< 0.8	< 6	< 0.3	< 0.5	< 1.2	
4/12/96	FL 00136	400	4.6		8.6	22	< 10	< 10	< 5	< 2	3.48	< 0.1	371	< 0.1	< 0.8	< 6	< 0.3	< 0.5	< 1.2	
7/22/96	FL 00138	300	5.4		9.76	24	< 10	< 10	< 3	< 1	4.3	< 0.1	0.39	0.026	< 0.8	< 6	< 0.3	2	< 1.2	
10/7/96	FL 00139	400	1.2	10	8.56	25	< 10	< 10	< 5	1.4	1.54	< 0.1	< 0.2	< 0.1	< 5	< 10	< 5	< 5	< 10	
1/24/97	FL 00140	310	0.2	10.12	8.28	23	< 10	< 10	< 5	2.7	0.942	0.1	< 0.2	< 0.1	< 5	< 10	< 5	< 5	< 2	
3/22/97	FL 00871				8.25															
4/14/97	FL 00712	480	4.6		8.6	10.48	23	< 10	< 10	< 5	1.1	6.96	< 0.1	0.8	< 0.1	< 5	< 10	< 5	< 5	< 2
5/31/97	FL 00772				8.03															
7/14/97	FL 00813	200	0.2		9.26	9.44	24	< 10	< 10	< 5	1.2	4.76	< 0.1	0.3	< 0.1	< 5	< 10	< 5	< 5	< 2
8/18/97	FL 00861				10.13															
9/11/97	FL 00920				10.67															
10/6/97	FL 00979				9.96															
10/14/97	FL 01035	280	0.1		9.96	8.46	24.9	< 10	< 10	< 5	< 1	1.2	< 0.1	< 0.2	0.1	< 5	< 10	< 5	< 5	< 2
1/19/98	FL 01072	350	0.7	8.31	8.58	23	< 10	< 10	< 5	< 1	0.78	< 0.1	< 0.2	0.1	< 5	< 10	< 5	< 5	< 2	
2/13/98	FL 01116	350	0.7	8.46	7.92	24	< 10	< 10	< 5	< 1	1	< 0.1	6.6	< 0.1	< 5	< 10	< 5	< 5	< 2	

Number in parentheses is cleanup criteria

CONDU = Specific Conductivity (NC)  
FLDPH = Field pH (NC)  
CR = Chromium ( 100)  
K = Potassium (NC)  
O-PO4-P = Orthophosphate-P (NC)  
BENZ = Benzene ( 5)

DO = Dissolved Oxygen (NC)  
TEMP = Temperature (NC)  
PB = Lead ( 15)  
NH3N = Ammonia-N (NC)  
12DCA = 1,2-Dichloroethane ( 5)  
TOL = Toluene ( 1000)

DTOWT = Depth to Water (NC)  
AS = Arsenic ( 50)  
TOC = Total Organic Carbon (NC)  
NO3N = Nitrate-N (NC)  
ACET = Acetone ( 3500)  
VINCHL = Vinyl chloride ( 2)

< Less than shown detection limit  
J Detected conc. below detection limit  
E Conc. exceeded instrument calibration range  
B Analyte also found in method blank  
D Concentration derived from dilution  
NC = No cleanup criteria

QUARTERLY GROUNDWATER MONITORING  
First Quarter, 1998 Semi-annual

Well Name  
INT-120

French Limited Project  
FLTG, Inc.

Date Col'd	Sample Number	CONDUCT umhos	DO PPM	DTOWTR Ft	FLDpH pH un	TEMP Deg C	AS ug/L	CR ug/L	PB ug/L	TOC mg/L	K mg/L	NH3N mg/L	NO3N mg/L	o-PO4-P mg/L	12DCA ug/L	ACET ug/L	BENZ ug/L	TOL ug/L	VINCHL ug/L
3/25/93	FL 00142									2660	1.59	< 0.1	< 0.05	0.05	2900	34000	1200	< 2500	6000
6/22/93	FL 00143									42	< 0.934	0.07	< 0.05	0.04	630	680	110	20	19
12/21/94	FL 00145	800	2		6.98	22									10000	< 600	< 30	< 50	< 120
12/21/94	FL 00146											0.15	< 2	< 2					
3/12/95	FL 00147	600	0.4		6.59	24													
3/12/95	FL 00148																		
4/4/95	FL 00149	700	3.5		6.86	23													
6/6/95	FL 00151																		
6/6/95	FL 00150	700	15		7.32	24													
7/5/95	FL 00152	700	15		7.61	24													
8/2/95	FL 00153		15			23													
9/1/95	FL 00155																		
9/1/95	FL 00154	800	15		7.15	30													
10/2/95	FL 00156	900	15		7.14	25													
11/1/95	FL 00157	825	13.5		7.05	24													
12/15/95	FL 00158	1300	3.8		7.33	23													
1/23/96	FL 00159	900	15		7.18	24													
4/12/96	FL 00160	750	1.6		7.05	22													
7/22/96	FL 00162	1350	0.12		7.86	23													
10/7/96	FL 00163	1350	1.1	8.84	7.52	25													
1/24/97	FL 00164	1300	0.2	7.45	7.59	21													
3/22/97	FL 00672			7.46															
4/15/97	FL 00731	1050	0.3	7.75	7.25	22													
5/31/97	FL 00773			7.25															
7/16/97	FL 00833	1050	0.1	8.57	8.32	24													
8/18/97	FL 00862			8.97															

Number in parentheses is cleanup criteria

CONDU = Specific Conductivity (NC)

FLDPH = Field pH (NC)

CR = Chromium (100)

K = Potassium (NC)

O-PO4-P = Orthophosphate-P (NC)

BENZ = Benzene (5)

DO = Dissolved Oxygen (NC)

TEMP = Temperature (NC)

PB = Lead (15)

NH3N = Ammonia-N (NC)

12DCA = 1,2-Dichloroethane (5)

TOL = Toluene (1000)

DTOWT = Depth to Water (NC)

AS = Arsenic (50)

TOC = Total Organic Carbon (NC)

NO3N = Nitrate-N (NC)

ACET = Acetone (3500)

VINCHL = Vinyl chloride (2)

< Less than shown detection limit

J Detected conc. below detection limit

E Conc. exceeded instrument calibration range

B Analyte also found in method blank

D Concentration derived from dilution

NC = No cleanup criteria

**QUARTERLY GROUNDWATER MONITORING**  
First Quarter, 1998 Semi-annual

**Well Name**  
**INT-120**

**French Limited Project**  
**FLTG, Inc.**

Date Col'd	Sample Number	CONDUCT umhos	DO PPM	DtowTR Ft	FLDpH pH un	TEMP Deg C	AS ug/L	CR ug/L	PB ug/L	TOC mg/L	K mg/L	NH3N mg/L	NO3N mg/L	o-PO4-P mg/L	12DCA ug/L	ACET ug/L	BENZ ug/L	TOL ug/L	VINCHL ug/L	
9/11/97	FL 00921			8.87																
10/6/97	FL 00980			8.41																
10/15/97	FL 01050	1150	0.2	8.41	7.49	25.2				3.5	73.5	0.54	33.1	2.2	360	< 50	44	< 25	< 10	
1/21/98	FL 01092	1100	0.6	7.34	7.38	22				4.2	63.6	0.24	26.5	2.4	160	< 10	9	< 5	6	
2/18/98	FL 01141	1200	0.7	7.12	7.08	22				9.8	104	0.18	57.5	1.2	420	J 12	J 6	< 12	25	

Number in parentheses is cleanup criteria

CONDU = Specific Conductivity (NC)  
FLDPH = Field pH (NC)  
CR = Chromium (100)  
K = Potassium (NC)  
O-PO4-P = Orthophosphate-P (NC)  
BENZ = Benzene (5)

DO = Dissolved Oxygen (NC)  
TEMP = Temperature (NC)  
PB = Lead (15)  
NH3N = Ammonia-N (NC)  
12DCA = 1,2-Dichloroethane (5)  
TOL = Toluene (1000)

DTOWT = Depth to Water (NC)  
AS = Arsenic (50)  
TOC = Total Organic Carbon (NC)  
NO3N = Nitrate-N (NC)  
ACET = Acetone (3500)  
VINCHL = Vinyl chloride (2)

< Less than shown detection limit  
J Detected conc. below detection limit  
E Conc. exceeded instrument calibration range  
B Analyte also found in method blank  
D Concentration derived from dilution  
NC = No cleanup criteria

QUARTERLY GROUNDWATER MONITORING  
First Quarter, 1998 Semi-annual

Well Name  
INT-123

French Limited Project  
FLTG, Inc.

Date Col'd	Sample Number	CONDUCT umhos	DO PPM	DtoWTR Ft	FLDpH pH un	TEMP Deg C	AS ug/L	CR ug/L	PB ug/L	TOC mg/L	K mg/L	NH3N mg/L	NO3N mg/L	o-PO4-P mg/L	12DCA ug/L	ACET ug/L	BENZ ug/L	TOL ug/L	VINCHL ug/L
7/16/93	FL 00166														10000	1700	<5	11	250
12/21/94	FL 00167	750	4.8		9.84	20.7				57	0.12	<2	<2		1200	<60	<3	<5	230
12/21/94	FL 00168									9.1									
3/12/95	FL 00169														1200	200	<3	<5	220
4/4/95	FL 00170	900	15		9.02	22				25	23.9	0.2	16.1	<0.2	12000	3200	<30	<50	1300
5/5/95	FL 00392									44	<0.1	36.5	<0.2		1700	140	<3	<5	260
5/5/95	FL 00391	820	15		8.18	24				7	63.1	<0.1	43.1	<0.2	1000	200	<3	<5	100
6/6/95	FL 00393	950	15		8.53	28				9	64.2	<0.1	39.5	<0.1	920	<60	<3	<5	220
7/5/95	FL 00394	700	15		9.25	24				6	75	<0.1	40.5	<0.1	610	38	12	3	300
8/2/95	FL 00395	700	15		9.11	26				76	<0.1	28.4	<0.2		1200	120	7	<0.5	240
9/1/95	FL 00397																		
9/1/95	FL 00396	410	15		8.04	25				7									
10/2/95	FL 00398	500	15		9.42	24				3	61.8	<0.1	37.4	<0.2	220	36	6	<0.5	82
11/1/95	FL 00399	500	15		6.92	23				7	68	<0.1	30.2	<0.2	200	<6	8	<0.5	70
12/15/95	FL 00400	495	15		7.2	23				8	68.4	<0.1	119	4.14	580	<30	<1.5	<2.5	77
1/23/96	FL 00401	500	15		8.63	24				<3	73.6	<0.1	25.6	0.74	120	20	<0.3	<0.5	15
4/12/96	FL 00402	500	6.4		8.2	22				4.2	58.9	<0.1	23.2	0.37	210	<12	<0.6	<1	<2.4
7/22/96	FL 00404	800	0.79		9.66	23				<1	62	<0.1	21	0.27	270	<6	2	<0.5	3
10/7/96	FL 00405	900	2	9.19	9.61	25				4.2	53.3	0.1	20.1	0.2	300	<10	5	<5	<10
1/24/97	FL 00406	925	4.6	7.88	10.67	23				4.3	54.3	0.1	23.3	0.2	280	<20	28	J 7	16
3/22/97	FL 00673																		
4/16/97	FL 00739	700	8.6	7.97	10.61	22				4	51.5	0.2	19.2	<0.1	150	<10	<5	<5	4
5/31/97	FL 00774																		
7/16/97	FL 00840	650	15	9.1	9.96	24				2.5	60	<0.1	27.3	0.3	110	<10	<5	<5	5
8/18/97	FL 00863																		
9/11/97	FL 00922																		

Number in parentheses is cleanup criteria

CONDU = Specific Conductivity (NC)  
FLDPH = Field pH (NC)  
CR = Chromium (100)  
K = Potassium (NC)  
O-PO4-P = Orthophosphate-P (NC)  
BENZ = Benzene (5)

DO = Dissolved Oxygen (NC)  
TEMP = Temperature (NC)  
PB = Lead (15)  
NH3N = Ammonia-N (NC)  
12DCA = 1,2-Dichloroethane (5)  
TOL = Toluene (1000)

DTOWT = Depth to Water (NC)  
AS = Arsenic (50)  
TOC = Total Organic Carbon (NC)  
NO3N = Nitrate-N (NC)  
ACET = Acetone (3500)  
VINCHL = Vinyl chloride (2)

< Less than shown detection limit  
J Detected conc. below detection limit  
E Conc. exceeded instrument calibration range  
B Analyte also found in method blank  
D Concentration derived from dilution  
NC = No cleanup criteria

QUARTERLY GROUNDWATER MONITORING  
First Quarter, 1998 Semi-annual

Well Name  
INT-123

French Limited Project  
FLTG, Inc.

Date Col'd	Sample Number	CONDUCT umhos	DO PPM	DtOWTR Ft	FLDpH pH un	TEMP Deg C.	AS ug/L	CR ug/L	PB ug/L	TOC mg/L	K mg/L	NH3N mg/L	NO3N mg/L	o-PO4-P mg/L	12DCA ug/L	ACET ug/L	BENZ ug/L	TOL ug/L	VINCHL ug/L
10/6/97	FL 00981			9.21															
10/15/97	FL 01051	710	9.4	9.21	7.38	25				2.1	69	0.12	27.8	0.1	140	<10	<5	<5	<2
1/22/98	FL 01099	700	13.6	7.22	10.32	21				<1	60.3	<0.1	26.7	0.2	190	<20	<10	<10	<4
2/19/98	FL 01144	700	12.5	7.54	8.32					2.1	70.3	<0.1	28.2	0.3	190	<20	J 5	<10	44

Number in parentheses is cleanup criteria

CONDU = Specific Conductivity (NC)  
FLDPH = Field pH (NC)  
CR = Chromium (100)  
K = Potassium (NC)  
O-PO4-P = Orthophosphate-P (NC)  
BENZ = Benzene (5)

DO = Dissolved Oxygen (NC)  
TEMP = Temperature (NC)  
PB = Lead (15)  
NH3N = Ammonia-N (NC)  
12DCA = 1,2-Dichloroethane (5)  
TOL = Toluene (1000)

DTOWT = Depth to Water (NC)  
AS = Arsenic (50)  
TOC = Total Organic Carbon (NC)  
NO3N = Nitrate-N (NC)  
ACET = Acetone (3500)  
VINCHL = Vinyl chloride (2)

< Less than shown detection limit  
J Detected conc. below detection limit  
E Conc. exceeded instrument calibration range  
B Analyte also found in method blank  
D Concentration derived from dilution  
NC = No cleanup criteria

Page 2 of 2

QUARTERLY GROUNDWATER MONITORING  
First Quarter, 1998 Semi-annual

Well Name  
INT-127

French Limited Project  
FLTG, Inc.

Date Col'd	Sample Number	CONDUCT umhos	DO PPM	DTOWTR Ft	FLDpH pH un	TEMP Deg C	AS ug/L	CR ug/L	PB ug/L	TOC mg/L	K mg/L	NH3N mg/L	NO3N mg/L	o-PO4-P mg/L	12DCA ug/L	ACET ug/L	BENZ ug/L	TOL ug/L	VINCHL ug/L
7/16/93	FL 00409														4700	7000	110	63	530
12/21/94	FL 00410	850	4.2		7.61	24												< 0.5	< 1.2
12/21/94	FL 00411																		
3/12/95	FL 00412	900	6.6		7.19	22													
4/4/95	FL 00413	2220	5.4		6.76	23													
5/5/95	FL 00415																		
5/5/95	FL 00414	1500	7.78		6.57	24													
3/6/95	FL 00417	1800	1.3		6.48	24													
3/6/95	FL 00416																		
7/5/95	FL 00418	1420	1.4		6.47	24													
3/2/95	FL 00419	1190	3.2		6.53	24													
3/1/95	FL 00421																		
3/1/95	FL 00420	650	3.1		6.64	24													
10/2/95	FL 00422	750	0.5		6.45	24													
11/1/95	FL 00423	750	0.7		6.93	23													
12/15/95	FL 00424	700	1.7		6.8	23													
1/22/96	FL 00425	750	2		6.31	24													
1/12/96	FL 00426	850	0.8		6.73	22													
1/22/96	FL 00428	1650	0.1		6.68	23													
10/7/96	FL 00429	1750	0.7	2.39	6.31	26													
1/24/97	FL 00430	1710	0.2	1	6.73	22													
1/22/97	FL 00674				0.72														
1/16/97	FL 00736	1200	0.1	1.15	6.81	22													
1/31/97	FL 00775				0.8														
1/16/97	FL 00837	1250	0.1	2.25	6.77	26													
1/18/97	FL 00864				2.8														

Number in parentheses is cleanup criteria

CONDU = Specific Conductivity (NC)

FLDPH = Field pH (NC)

CR = Chromium (100)

K = Potassium (NC)

O-PO4-P = Orthophosphate-P (NC)

BENZ = Benzene (5)

DO = Dissolved Oxygen (NC)

TEMP = Temperature (NC)

PB = Lead (15)

NH3N = Ammonia-N (NC)

12DCA = 1,2-Dichloroethane (5)

TOL = Toluene (1000)

DTOWT = Depth to Water (NC)

AS = Arsenic (50)

TOC = Total Organic Carbon (NC)

NO3N = Nitrate-N (NC)

ACET = Acetone (3500)

VINCHL = Vinyl chloride (2)

< Less than shown detection limit

J Detected conc. below detection limit

E Conc. exceeded instrument calibration range

B Analyte also found in method blank

D Concentration derived from dilution

NC = No cleanup criteria

QUARTERLY GROUNDWATER MONITORING  
First Quarter, 1998 Semi-annual

Well Name  
INT-127

French Limited Project  
FLTG, Inc.

Data Col'd	Sample Number	CONDUCT umhos	DO PPM	DtOWTR Ft	FLDpH pH un	TEMP Deg C	AS ug/L	CR ug/L	PB ug/L	TOC mg/L	K mg/L	NH3N mg/L	NO3N mg/L	o-PO4-P mg/L	12DCA ug/L	ACET ug/L	BENZ ug/L	TOL ug/L	VINCHL ug/L	
9/11/97	FL 00923			2.73																
10/6/97	FL 00982			2.16																
10/15/97	FL 01052	140	0.3	2.16	7.92	26.3				10.3	3.3	0.14	< 0.2	< 0.1	< 5	12	< 5	< 5	< 2	
1/22/98	FL 01096	160	0.4	0.3	7.2	22				4.5	2.03	< 0.1	< 0.2	< 0.1	< 5	< 10	< 5	< 5	< 2	
2/18/98	FL 01136	800	0.6	0.61	7.3	22				5.2	2.2	0.22	< 0.2	< 0.1	< 5	< 10	5	< 5	< 2	

Number in parentheses is cleanup criteria

CONDU = Specific Conductivity (NC)  
FLDPH = Field pH (NC)  
CR = Chromium ( 100)  
K = Potassium (NC)  
O-PO4-P = Orthophosphate-P (NC)  
BENZ = Benzene ( 5)

DO = Dissolved Oxygen (NC)  
TEMP = Temperature (NC)  
PB = Lead ( 15)  
NH3N = Ammonia-N (NC)  
12DCA = 1,2-Dichloroethane ( 5)  
TOL = Toluene ( 1000)

DTOWT = Depth to Water (NC)  
AS = Arsenic ( 50)  
TOC = Total Organic Carbon (NC)  
NO3N = Nitrate-N (NC)  
ACET = Acetone ( 3500)  
VINCHL = Vinyl chloride ( 2)

< Less than shown detection limit  
J Detected conc. below detection limit  
E Conc. exceeded instrument calibration range  
B Analyte also found in method blank  
D Concentration derived from dilution  
NC = No cleanup criteria

QUARTERLY GROUNDWATER MONITORING  
First Quarter, 1998 Semi-annual

Well Name  
INT-130R

French Limited Project  
FLTG, Inc.

Date Col'd	Sample Number	CONDUCT umhos	DO PPM	DTOWTR Ft	FLDpH pH un	TEMP Deg C	AS ug/L	CR ug/L	PB ug/L	TOC mg/L	K mg/L	NH3N mg/L	NO3N mg/L	o-PO4-P mg/L	12DCA ug/L	ACET ug/L	BENZ ug/L	TOL ug/L	VINCHL ug/L
7/22/93	FL 00432									3.1					45	< 10	< 5	< 5	< 10
12/21/94	FL 00433									16.6									
4/12/96	FL 00434	850	1.7		7.43	26				12.7	1.46	< 0.1	30.6	< 0.1	500	< 1000	< 500	< 500	< 1000
7/22/96	FL 00435	900	1.4		7.47	23				2.9	2.4	0.2	32	< 0.1	450	< 6	27	5	< 1.2
10/7/96	FL 00436	925	2.1	2.45	7.21	25				11.9	1.64	0.2	32	< 0.1	450	< 1000	< 500	< 500	< 1000
1/24/97	FL 00437	975	0.3	0.89	7.55	22				13.5	1.58	0.1	33	< 0.1	260	< 10	49	9	4
3/22/97	FL 00675				0.7														
4/16/97	FL 00742	800	0.2	0.71	7.6	22				10.9	1.41	0.1	30.6	< 0.1	220	< 10	29	< 5	< 2
5/31/97	FL 00776				0.8														
7/16/97	FL 00843	750	0.1	2.52	7.36	24				10.2	1.36	0.13	31.9	< 0.2	226	< 10	36	< 5	< 2
8/18/97	FL 00865				3.31														
9/11/97	FL 00924				3.47														
10/6/97	FL 00983				2.79														
10/15/97	FL 01054	780	0.2	2.79	7.44	25.3				12.8	1.9	0.2	34.6	< 0.1	E 460	< 10	52	< 5	8
1/22/98	FL 01102	790	0.4	0.6	7.3	22				7.7	4.14	< 0.1	26.8	0.1	9	< 10	< 5	< 5	< 2
2/18/98	FL 01139	750	0.5	1.15	7.47	23				10.1	1.6	0.14	34.3	< 0.1	J 330	< 1000	< 500	< 500	< 200

Number in parentheses is cleanup criteria

CONDU = Specific Conductivity (NC)  
FLDPH = Field pH (NC)  
CR = Chromium (100)  
K = Potassium (NC)  
O-PO4-P = Orthophosphate-P (NC)  
BENZ = Benzene (5)

DO = Dissolved Oxygen (NC)  
TEMP = Temperature (NC)  
PB = Lead (15)  
NH3N = Ammonia-N (NC)  
12DCA = 1,2-Dichloroethane (5)  
TOL = Toluene (1000)

DTOWT = Depth to Water (NC)  
AS = Arsenic (50)  
TOC = Total Organic Carbon (NC)  
NO3N = Nitrate-N (NC)  
ACET = Acetone (3500)  
VINCHL = Vinyl chloride (2)

< Less than shown detection limit  
J Detected conc. below detection limit  
E Conc. exceeded instrument calibration range  
B Analyte also found in method blank  
D Concentration derived from dilution  
NC = No cleanup criteria

QUARTERLY GROUNDWATER MONITORING  
First Quarter, 1998 Semi-annual

Well Name  
INT-130RS

French Limited Project  
FLTG, Inc.

Date Col'd	Sample Number	CONDUCT umhos	DO PPM	DtowTR Ft	FLDpH pH un	TEMP Deg C	AS ug/L	CR ug/L	PB ug/L	TOC mg/L	K mg/L	NH3N mg/L	NO3N mg/L	o-PO4-P mg/L	12DCA ug/L	ACET ug/L	BENZ ug/L	TOL ug/L	VINCHL ug/L	
7/22/93	FL 00438									3.1					45	< 10	< 5	< 5	< 10	
12/21/94	FL 00439									16.6										
4/12/96	FL 00440	900	2.1		7.24	25				17.4	1.82	< 0.1	23.2	< 0.1	1800	< 200	< 100	< 100	180	
7/22/96	FL 00441	1050	0.1		7.16	23				2.9	3.3	< 0.1	20	0.1	290	< 6	21	< 0.5	250	
10/7/96	FL 00442	1100	0.6	2.85	6.89	26				15.9	1.89	0.1	17.5	< 0.1	100	< 250	< 120	< 120	180	
1/24/97	FL 00443	1100	0.2	2.2	7.21	22				20.8	2.02	< 0.1	14	< 0.1	130	< 10	34	J 1	250	
3/22/97	FL 00676				1.15															
4/16/97	FL 00738	900	0.2	1.44	7.11	21				16.9	1.52	< 0.1	12.5	< 0.1	65	< 10	25	< 5	160	
5/31/97	FL 00777				1.09															
7/16/97	FL 00839	800	0.2	2.91	7.03	24				15.4	1.48	< 0.1	12.7	< 0.2	64	< 10	31	< 5	180	
7/16/97	FL 00847				2.91															
8/18/97	FL 00866				3.73															
9/11/97	FL 00925				3.86															
10/6/97	FL 00984				2.18															
10/15/97	FL 01055	850	0.1	2.18	7.21	25.5				16	1.4	0.13	10	< 0.1	110	< 10	36	< 5	160	
1/22/98	FL 01098	550	0.4	0.98	6.98	22				12	1.53	< 0.1	3.6	0.1	7	< 10	< 5	< 5	10	
2/18/98	FL 01142	750	0.5	1.07	7.14	23				13.6	1.5	< 0.1	9.3	< 0.1	370	< 250	< 125	< 125	< 50	

Number in parentheses is cleanup criteria

CONDU = Specific Conductivity (NC)  
FLDPH = Field pH (NC)  
CR = Chromium (100)  
K = Potassium (NC)  
O-PO4-P = Orthophosphate-P (NC)  
BENZ = Benzene (5)

DO = Dissolved Oxygen (NC)  
TEMP = Temperature (NC)  
PB = Lead (15)  
NH3N = Ammonia-N (NC)  
12DCA = 1,2-Dichloroethane (5)  
TOL = Toluene (1000)

DTOWT = Depth to Water (NC)  
AS = Arsenic (50)  
TOC = Total Organic Carbon (NC)  
NO3N = Nitrate-N (NC)  
ACET = Acetone (3500)  
VINCHL = Vinyl chloride (2)

< Less than shown detection limit  
J Detected conc. below detection limit  
E Conc. exceeded instrument calibration range  
B Analyte also found in method blank  
D Concentration derived from dilution  
NC = No cleanup criteria

QUARTERLY GROUNDWATER MONITORING  
First Quarter, 1998 Semi-annual

Well Name  
INT-134

French Limited Project  
FLTG, Inc.

Date Col'd	Sample Number	CONDUCT umhos	DO PPM	DtowTR Ft	FLDpH pH un	TEMP Deg C	AS ug/L	CR ug/L	PB ug/L	TOC mg/L	K mg/L	NH3N mg/L	NO3N mg/L	o-PO4-P mg/L	12DCA ug/L	ACET ug/L	BENZ ug/L	TOL ug/L	VINCHL ug/L	
12/29/93	FL 00452		4.2																	
6/7/94	FL 00453	750			7.2	23									580	140	47	< 0.5	1600	
12/21/94	FL 00454	550	1.8		7.76	20.2					1.36	< 0.1	< 2	< 2	74	< 15	< 0.75	< 1.25	200	
7/5/95	FL 00455	490	1.8		7.73	23				5	0.982	< 0.1	< 0.1	< 0.1	28	< 6	< 0.3	< 0.5	83	
11/1/95	FL 00456	300	4.6		7.56	23				13	1.35	< 0.1	4.6	< 0.2	91	6	19	< 1.25	270	
12/15/95	FL 00457	370	14.6		6.76	24				8	1.35	< 0.1	21.3	0.19	78	< 15	26	< 1.25	198	
1/18/96	FL 00458	500	0.7		7.42	22				< 1	43.1	0.3	1.8	18	68	< 12	34	< 1	190	
4/12/96	FL 00459	525	1.2		7.42	22				21.6	26.4	0.7	0.45	8.72	67	< 6	27	< 0.5	19	
7/22/96	FL 00461	1000	0.1		7.42	22				15	16	0.53	0.78	4	85	< 6	54	< 0.5	140	
10/7/96	FL 00462	1000	1.2	9.68	7.47	23				34.1	7.21	0.6	2	1.2	110	< 10	56	< 5	190	
1/24/97	FL 00463	1100	0.4	8.11	7.48	22				44	5.92	0.3	2.9	0.8	96	< 10	44	< 5	130	
3/22/97	FL 00677			7.12																
4/16/97	FL 00740	800	0.1	7.44	7.58	22				29.2	6.37	0.2	1	1.2	64	< 10	19	< 5	81	
5/31/97	FL 00778			7.25																
7/16/97	FL 00841	800	0.1	8.15	7.48	22				31.8	5.37	< 0.1	2.6	1	82	< 10	30	< 5	< 2	
8/18/97	FL 00867			8.65																
9/11/97	FL 00926			9.16																
10/6/97	FL 00985			8.53																
10/14/97	FL 01036	900	0.1	8.53	7.46	22.9				39	4.7	0.57	7.1	0.6	110	< 20	33	< 10	200	
1/22/98	FL 01100	1000	0.5	7.16	7.34	22				38.9	4.44	< 0.1	9.7	0.6	88	< 10	25	< 5	120	
2/18/98	FL 01143	1050	0.7	7.62	6.43	22				48.5	4.1	< 0.1	13.9	0.3	140	< 20	41	< 10	240	

Number in parentheses is cleanup criteria

CONDU = Specific Conductivity (NC)  
FLDPH = Field pH (NC)  
CR = Chromium (100)  
K = Potassium (NC)  
O-PO4-P = Orthophosphate-P (NC)  
BENZ = Benzene (5)

DO = Dissolved Oxygen (NC)  
TEMP = Temperature (NC)  
PB = Lead (15)  
NH3N = Ammonia-N (NC)  
12DCA = 1,2-Dichloroethane (5)  
TOL = Toluene (1000)

DTOWT = Depth to Water (NC)  
AS = Arsenic (50)  
TOC = Total Organic Carbon (NC)  
NO3N = Nitrate-N (NC)  
ACET = Acetone (3500)  
VINCHL = Vinyl chloride (2)

< Less than shown detection limit  
J Detected conc. below detection limit  
E Conc. exceeded instrument calibration range  
B Analyte also found in method blank  
D Concentration derived from dilution  
NC = No cleanup criteria

QUARTERLY GROUNDWATER MONITORING  
First Quarter, 1998 Semi-annual

Well Name  
INT-135

French Limited Project  
FLTG, Inc.

Date Col'd	Sample Number	CONDUCT umhos	DO PPM	DTOWTR ft	FLDpH pH un	TEMP Deg C	AS ug/L	CR ug/L	PB ug/L	TOC mg/L	K mg/L	NH3N mg/L	NO3N mg/L	o-PO4-P mg/L	12DCA ug/L	ACET ug/L	BENZ ug/L	TOL ug/L	VINCHL ug/L	
8/7/94	FL 00465	700	0.4		7.09	2				11					40	<12	<0.6	<1	160	
12/21/94	FL 00467				7.2	23	<3.9	7.5	2.6		1.95	<0.1	<2	<2	66	<12	6	<1	300	
5/5/95	FL 00468	600	0.2		7.4	23														
6/6/95	FL 00469	475	1.5		7.14	23														
7/5/95	FL 00470	480	1		6.99	23														
8/2/95	FL 00471	400	1.4		6.82	23														
12/15/95	FL 00472	325	3.8		6.98	23														
1/17/96	FL 00473	440	1		6.95	23	<10	<10	<5	<3	1.16	<0.1	2.2	<1	15	<6	<0.3	<0.5	66	
4/12/96	FL 00474	500	1		6.88	23	20	<10	<5	14.3	1.19	0.1	<0.2	<0.1	<0.8	<6	<0.3	<0.5	<1.2	
7/22/96	FL 00476	820	0.15		6.76	22	22	<10	<3	8.1	1.2	0.11	<0.05	0.039	<0.8	<6	<0.3	<0.5	<1.2	
10/7/96	FL 00477	800	0.8	12.06	6.76	24	23	<10	<5	11.8	1.14	<0.1	<0.2	<0.1	<5	<10	<5	<5	<10	
1/24/97	FL 00478	700	0.2	11.62	6.75	22	28	<10	<5	16	1.24	<0.1	<0.2	<0.1	<5	<10	<5	<5	<2	
3/22/97	FL 00678			10.43																
4/14/97	FL 00713	600	1.8		10.7	6.56	22	12	<10	8	13.3	1.13	<0.1	<0.2	<0.1	<5	<10	<5	<5	<2
5/31/97	FL 00779				10.6															
7/14/97	FL 00814	625	0.2		11.54	6.74	24	29	<10	<5	13.7	1.24	0.14	<0.2	<0.1	<5	<10	<5	<5	<2
3/18/97	FL 00868				12.3															
3/11/97	FL 00927				12.49															
10/6/97	FL 00986				11.92															
10/14/97	FL 01037	650	0.6		11.92	6.79	23.8	30	<10	<5	13.4	1.4	0.17	<0.2	0.1	<5	<10	<5	<5	<2
1/19/98	FL 01073	825	0.9	10.58	7.22	23	30	<10	<5	13.7	1.22	<0.1	<0.2	0.1	<5	<10	<5	<5	<2	
2/12/98	FL 01108	700	0.6	10.71	6.78	22	110	<10	<5	13.1	8.84	0.26	0.2	<0.1	6	<10	<5	<5	13	

Number in parentheses is cleanup criteria

CONDU = Specific Conductivity (NC)

FLDPH = Field pH (NC)

CR = Chromium (100)

K = Potassium (NC)

O-PO4-P = Orthophosphate-P (NC)

BENZ = Benzene (5)

DO = Dissolved Oxygen (NC)

TEMP = Temperature (NC)

PB = Lead (15)

NH3N = Ammonia-N (NC)

12DCA = 1,2-Dichloroethane (5)

TOL = Toluene (1000)

DTOWT = Depth to Water (NC)

AS = Arsenic (50)

TOC = Total Organic Carbon (NC)

NO3N = Nitrate-N (NC)

ACET = Acetone (3500)

VINCHL = Vinyl chloride (2)

< Less than shown detection limit

J Detected conc. below detection limit

E Conc. exceeded instrument calibration range

B Analyte also found in method blank

D Concentration derived from dilution

NC = No cleanup criteria

QUARTERLY GROUNDWATER MONITORING  
First Quarter, 1998 Semi-annual

Well Name  
INT-144

French Limited Project  
FLTG, Inc.

Date Col'd	Sample Number	CONDUCT umhos	DO PPM	DtoWTR Ft	FLDpH pH un	TEMP Deg C	AS ug/L	CR ug/L	PB ug/L	TOC mg/L	K mg/L	NH3N mg/L	NO3N mg/L	o-PO4-P mg/L	12DCA ug/L	ACET ug/L	BENZ ug/L	TOL ug/L	VINCHL ug/L	
5/4/94	FL 00498				9.04															
5/5/94	FL 00499	440	2			22														
12/21/94	FL 00500	420	3.3		8.68	20														
12/21/94	FL 00501																			
12/21/94	FL 00502																			
3/12/95	FL 00504																			
3/12/95	FL 00503	390	0.5		8.91	22														
4/4/95	FL 00505	425	1.5		9.01	21														
5/5/95	FL 00507																			
5/5/95	FL 00506	400	0.2		8.38	23														
6/6/95	FL 00508	350	2.6		8.75	22														
7/5/95	FL 00509	380	2.3		8.41	22														
8/2/95	FL 00510	350	1		8.23	22														
10/2/95	FL 00511	300	0.3		8.04	23														
11/1/95	FL 00512	270	0.7		8.47	22														
12/15/95	FL 00513	300	0.7		8.8	21														
1/15/96	FL 00514	310	0.7		8.63	23	<10	<10	<5	<3	0.94	0.2	<0.2	<0.1	<0.8	<6	<0.3	<0.5	<1.2	
4/12/96	FL 00515	325	2.4		8.84	21	20	<10	<5	<2	1.03	<0.1	<0.2	<0.1	<0.8	<6	<0.3	<0.5	<1.2	
7/22/96	FL 00517	370	1.8		9.66	21	17	<10	<3	<1	0.95	<0.1	0.12	0.1	<0.8	<6	<0.3	<0.5	<1.2	
10/7/96	FL 00518	925	2.4	15.62	9.11	23.5	17	<10	<5	<1	0.857	<0.1	<0.2	<0.1	<5	<10	<5	<5	<10	
1/24/97	FL 00519	320	1.6	15.17	9.37	21	18	<10	<5	1.4	0.889	<0.1	0.2	<0.1	<5	<10	<5	<5	<2	
3/22/97	FL 00679				13.82															
4/14/97	FL 00714	300	0.5	13.91	9.31	21	16	<10	7	1.2	4.57	<0.1	0.7	<0.1	<5	<10	<5	<5	<2	
5/31/97	FL 00780				14.03															
7/15/97	FL 00815	300	1.2	15.16	8.35	22	14	<10	<5	1.2	2.88	<0.1	0.2	0.2	<5	<10	<5	<5	<2	
3/18/97	FL 00869				15.91															

Number in parentheses is cleanup criteria

CONDU = Specific Conductivity (NC)

FLDPH = Field pH (NC)

CR = Chromium (100)

K = Potassium (NC)

O-PO4-P = Orthophosphate-P (NC)

BENZ = Benzene (5)

DO = Dissolved Oxygen (NC)

TEMP = Temperature (NC)

PB = Lead (15)

NH3N = Ammonia-N (NC)

12DCA = 1,2-Dichloroethane (5)

TOL = Toluene (1000)

DTOWT = Depth to Water (NC)

AS = Arsenic (50)

TOC = Total Organic Carbon (NC)

NO3N = Nitrate-N (NC)

ACET = Acetone (3500)

VINCHL = Vinyl chloride (2)

< Less than shown detection limit

J Detected conc. below detection limit

E Conc. exceeded instrument calibration range

B Analyte also found in method blank

D Concentration derived from dilution

NC = No cleanup criteria

QUARTERLY GROUNDWATER MONITORING  
First Quarter, 1998 Semi-annual

Well Name  
INT-144

French Limited Project  
FLTG, Inc.

Date Col'd	Sample Number	CONDUCT umhos	DO PPM	DoWTR Ft	FLDpH pH un	TEMP Deg C	AS ug/L	CR ug/L	PB ug/L	TOC mg/L	K mg/L	NH3N mg/L	NO3N mg/L	o-PO4-P mg/L	12DCA ug/L	ACET ug/L	BENZ ug/L	TOL ug/L	VINCHL ug/L
9/11/97	FL 00928			16.04															
10/6/97	FL 00987			15.52															
10/14/97	FL 01038	330	0.2	15.52	9.01	22.7	14	<10	<5	<1	1.4	<0.1	<0.2	0.1	<5	<10	<5	<5	3
1/19/98	FL 01074	400	1.1	14.05	9.37	22	16	<10	<5	3.7	2.17	<0.1	<0.2	0.1	<5	<10	<5	<5	<2
2/13/98	FL 01115	400	0.6	14.15	8.75	21	11	<10	<5	<1	1.9	<0.1	<0.2	<0.1	<5	<10	<5	<5	12

Number in parentheses is cleanup criteria

CONDU = Specific Conductivity (NC)  
FLDPH = Field pH (NC)  
CR = Chromium ( 100)  
K = Potassium (NC)  
O-PO4-P = Orthophosphate-P (NC)  
BENZ = Benzene ( 5)

DO = Dissolved Oxygen (NC)  
TEMP = Temperature (NC)  
PB = Lead ( 15)  
NH3N = Ammonia-N (NC)  
12DCA = 1,2-Dichloroethane ( 5)  
TOL = Toluene ( 1000)

DTOWT = Depth to Water (NC)  
AS = Arsenic ( 50)  
TOC = Total Organic Carbon (NC)  
NO3N = Nitrate-N (NC)  
ACET = Acetone ( 3500)  
VINCHL = Vinyl chloride ( 2)

< Less than shown detection limit  
J Detected conc. below detection limit  
E Conc. exceeded instrument calibration range  
B Analyte also found in method blank  
D Concentration derived from dilution  
NC = No cleanup criteria

Page 2 of 2

ROG

QUARTERLY GROUNDWATER MONITORING  
First Quarter, 1998 Semi-annual

Well Name  
INT-214

French Limited Project  
FLTG, Inc.

Date Col'd	Sample Number	CONDUCT umhos	DO PPM	DtowTR Ft	FLDpH pH un	TEMP Deg C	AS ug/L	CR ug/L	PB ug/L	TOC mg/L	K mg/L	NH3N mg/L	NO3N mg/L	o-PO4-P mg/L	12DCA ug/L	ACET ug/L	BENZ ug/L	TOL ug/L	VINCHL ug/L	
2/5/95	FL 00525														7	<6	19	<0.5	61	
1/18/96	FL 00526	700	1		6.9	23				<0.7	188	0.2	5.5	60.6	<0.8	<6	<0.3	<0.5	<1.2	
4/12/96	FL 00527	575	1.4		7.48	21				3	88.9	<0.1	1.53	5.95	<0.8	<6	<0.3	<0.5	<1.2	
7/22/96	FL 00529	750	0.1		7.2	22				<1	70	<0.1	<0.05	1.7	<0.8	<6	<0.3	<0.5	<1.2	
10/7/96	FL 00530	800	0.7	3.03	6.7	23.5				2.5	60.5	0.2	<0.2	1.1	<5	<10	<5	<5	<10	
1/24/97	FL 00531	700	0.1	2.52	6.63	21				4.2	63	<0.1	<0.2	0.8	<5	<10	<5	<5	<2	
3/22/97	FL 00680				1.72															
4/14/97	FL 00715	625	0.5	2.01	6.55	21				3.6	63.1	0.9	<0.2	1	<5	<10	<5	<5	<2	
5/31/97	FL 00781				1.72															
7/15/97	FL 00816	700	0.2	2.47	6.53	22.5				4.4	57.4	2.3	<0.2	2.6	<5	<10	<5	<5	<2	
8/18/97	FL 00870				2.89															
9/11/97	FL 00929				2.93															
10/6/97	FL 00988				2.44															
10/14/97	FL 01039	680	0.4	2.44	6.3	22.7				4.9	66.4	3.62	<0.2	1.8	<5	<10	<5	<5	<2	
1/19/98	FL 01075	350	0.5	1.64	7.15	21				8.8	21.6	0.2	<0.2	0.6	<5	<10	<5	<5	<2	
2/12/98	FL 01107	500	0.4	1.68	6.59	22				5.9	38.1	1.43	<0.2	1.2	<5	<10	<5	<5	<2	

Number in parentheses is cleanup criteria

CONDU = Specific Conductivity (NC)  
FLDPH = Field pH (NC)  
CR = Chromium (100)  
K = Potassium (NC)  
O-PO4-P = Orthophosphate-P (NC)  
BENZ = Benzene (5)

DO = Dissolved Oxygen (NC)  
TEMP = Temperature (NC)  
PB = Lead (15)  
NH3N = Ammonia-N (NC)  
12DCA = 1,2-Dichloroethane (5)  
TOL = Toluene (1000)

DTOWT = Depth to Water (NC)  
AS = Arsenic (50)  
TOC = Total Organic Carbon (NC)  
NO3N = Nitrate-N (NC)  
ACET = Acetone (3500)  
VINCHL = Vinyl chloride (2)

< Less than shown detection limit  
J Detected conc. below detection limit  
E Conc. exceeded instrument calibration range  
B Analyte also found in method blank  
D Concentration derived from dilution  
NC = No cleanup criteria

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QUARTERLY GROUNDWATER MONITORING  
First Quarter, 1998 Semi-annual

Well Name  
INT-217

French Limited Project  
FLTG, Inc.

Date Col'd	Sample Number	CONDUT umhos	DO PPM	DtowTR Ft	FLDpH pH un	TEMP Deg C	AS ug/L	CR ug/L	PB ug/L	TOC mg/L	K mg/L	NH3N mg/L	NO3N mg/L	o-PO4-P mg/L	12DCA ug/L	ACET ug/L	BENZ ug/L	TOL ug/L	VINCHL ug/L
4/4/95	FL 00532				6.67	24				75									
10/2/95	FL 00533	1150	4.6		6.53	23				58	1.45	0.6	<0.2	<0.2	30	<6	24	<0.5	63
11/1/95	FL 00534	750	0.4							74	1.33	<0.1	0.8	<0.2	<0.8	<6	14	<0.5	41
1/16/96	FL 00535	1000	0.4		6.9	23				<2.5	385	1.1	0.51	206	<0.8	<6	22	<0.5	51
4/12/96	FL 00536	805	0.9		6.74	21				56.8	19.6	0.4	<0.2	5.9	<0.8	<6	51	12	8
7/22/96	FL 00538	1300	0.1		6.69	22				48.4	2.1	0.1	<0.05	1	<0.8	<6	16	<0.5	9
10/7/96	FL 00539	1200	1	3.48	6.34	23				53.8	1.35	0.1	<0.2	0.4	<5	<10	22	<5	17
1/24/97	FL 00540	415	0.2	2.6	6.78	21				54.9	0.78	<0.1	<0.2	<0.1	<5	<10	18	6	5
3/22/97	FL 00681				1.82														
4/15/97	FL 00732	1000	0.2	2.13	6.57	21				44.8	0.982	0.1	<0.2	<0.1	<5	<10	<5	<5	6
5/31/97	FL 00782				1.92														
7/16/97	FL 00834	1000	0.1	2.78	6.44	23				2.4	0.902	<0.1	<0.2	<0.2	<5	<10	16	<5	<2
8/18/97	FL 00871				3.28														
9/11/97	FL 00930				3.35														
10/6/97	FL 00989				2.88														
10/15/97	FL 01046	900	0.7	2.88	6.57	22.2				46.5	0.72	<0.1	<0.2	<0.1	<5	<10	14	<5	13
1/21/98	FL 01093	450	0.6	1.76	7.12	22				16.7	2.29	<0.1	10.3	0.3	<5	<10	J2	<5	<2
2/17/98	FL 01129	1000	0.8	1.73	6.55	21				39.5	1.7	<0.1	0.4	<0.1	<5	<10	11	<5	14

Number in parentheses is cleanup criteria

CONDU = Specific Conductivity (NC)  
FLDPH = Field pH (NC)  
CR = Chromium (100)  
K = Potassium (NC)  
O-PO4-P = Orthophosphate-P (NC)  
BENZ = Benzene (5)

DO = Dissolved Oxygen (NC)  
TEMP = Temperature (NC)  
PB = Lead (15)  
NH3N = Ammonia-N (NC)  
12DCA = 1,2-Dichloroethane (5)  
TOL = Toluene (1000)

DTOWT = Depth to Water (NC)  
AS = Arsenic (50)  
TOC = Total Organic Carbon (NC)  
NO3N = Nitrate-N (NC)  
ACET = Acetone (3500)  
VINCHL = Vinyl chloride (2)

< Less than shown detection limit  
J Detected conc. below detection limit  
E Conc. exceeded instrument calibration range  
B Analyte also found in method blank  
D Concentration derived from dilution  
NC = No cleanup criteria

## QUARTERLY GROUNDWATER MONITORING

First Quarter, 1998 Semi-annual

Well Name  
INT-233French Limited Project  
FLTG, Inc.

Date Col'd	Sample Number	CONDUCT umhos	DO PPM	DtOWTR Ft	FLDpH pH un	TEMP Deg C	AS ug/L	CR ug/L	PB ug/L	TOC mg/L	K mg/L	NH3N mg/L	NO3N mg/L	o-PO4-P mg/L	12DCA ug/L	ACET ug/L	BENZ ug/L	TOL ug/L	VINCHL ug/L
9/1/95	FL 00543	3000	1.2		6.08	25				3130	4.72	< 0.1	0.3	< 0.2	< 400	76000	2300	< 250	8500
11/1/95	FL 00544	4000	0.3		6.37	21				2850	2.83	0.4	0.3	< 0.2	< 80	7600	1400	< 50	3000
1/23/96	FL 00545	750			6.84	24				1800	16.2	2.6	< 0.2	< 0.1	< 160	27000	740	< 100	< 240
4/12/96	FL 00546	1200	0.7		6.79	22				264	10.5	1.2	< 0.2	5.52	< 2.7	< 19.8	370	140	< 4
7/22/96	FL 00548	2050	0.12		6.65	22				100	13	7.8	< 0.05	5.5	< 8	< 60	350	100	< 12
10/7/96	FL 00549	1800	0.7	6.48	6.7	25				98.9	9.09	8.7	< 0.2	4.6	< 16	< 33	500	19	< 33
1/24/97	FL 00550	1500	0.1	5.92	7.21	21				59.1	9.63	5.7	< 0.2	3.9	< 5	< 10	< 5	J 2	< 2
3/22/97	FL 00682				5.15														
4/16/97	FL 00743	1200	0.1	5.42	7.13	22				34.2	9.19	2.7	< 0.2	0.1	< 5	< 10	100	< 5	< 2
5/31/97	FL 00783				5.1														
7/16/97	FL 00844	1200	0.1	5.85	6.87	23				50.7	9.38	6.2	4	9.4	< 5	< 10	180	5	4
8/18/97	FL 00872				6.25														
9/11/97	FL 00931				6.36														
10/6/97	FL 00990				5.87														
10/15/97	FL 01056	1310	0.2	5.87	7	24.6				36.1	7.8	5.81	< 0.2	0.1	< 25	< 50	230	< 25	< 10
1/22/98	FL 01103	1200	0.4	4.7	7.87	22				34.2	8.22	3.77	1.8	0.5	< 10	< 20	240	< 10	< 4
2/18/98	FL 01135	1100	0.4	5.08	7	23				25.4	8.1	4.86	< 0.2	0.2	< 10	< 20	240	< 10	< 4

Number in parentheses is cleanup criteria

CONDU = Specific Conductivity (NC)  
 FLDPH = Field pH (NC)  
 CR = Chromium (100)  
 K = Potassium (NC)  
 O-PO4-P = Orthophosphate-P (NC)  
 BENZ = Benzene (5)

DO = Dissolved Oxygen (NC)  
 TEMP = Temperature (NC)  
 PB = Lead (15)  
 NH3N = Ammonia-N (NC)  
 12DCA = 1,2-Dichloroethane (5)  
 TOL = Toluene (1000)

DTOWT = Depth to Water (NC)  
 AS = Arsenic (50)  
 TOC = Total Organic Carbon (NC)  
 NO3N = Nitrate-N (NC)  
 ACET = Acetone (3500)  
 VINCHL = Vinyl chloride (2)

< Less than shown detection limit  
 J Detected conc. below detection limit  
 E Conc. exceeded instrument calibration range  
 B Analyte also found in method blank  
 D Concentration derived from dilution  
 NC = No cleanup criteria

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## QUARTERLY GROUNDWATER MONITORING

First Quarter, 1998 Semi-annual

Well Name  
S1-031French Limited Project  
FLTG, Inc.

Date Col'd	Sample Number	CONDUCT umhos	DO PPM	DTOWTR FT	FLDpH pH un	TEMP Deg C	AS ug/L	CR ug/L	PB ug/L	TOC mg/L	K mg/L	NH3N mg/L	NO3N mg/L	O-PO4-P mg/L	12DCA ug/L	ACET ug/L	BENZ ug/L	TOL ug/L	VINCHL ug/L
9/5/94	FL 00180														<0.8	<6	<0.3	<0.5	<1.2
8/2/95	FL 00181	700	15		6.91	24			15										
1/17/96	FL 00182	600	0.6		7.22	23	<10	13	5	9	144	0.2	26.5	5.48	<0.8	<6	<0.3	<0.5	<1.2
4/12/96	FL 00183	300	1.5		7.49	21	<10	<10	<5	4.1	93.8	0.6	2.8	1.7	<0.8	<6	<0.3	<0.5	<1.2
7/22/96	FL 00185	450	0.02		7.4	23	<10	<10	<3	<1	32	0.29	0.16	0.52	<0.8	<6	<0.3	<0.5	<1.2
10/7/96	FL 00186	1050	0.9	7.46	6.84	25.5	<10	<10	<5	11.4	10.9	0.2	<0.2	0.2	<5	<10	<5	<5	<10
1/24/97	FL 00187	850	0.1	6.82	7.06	21	<10	<10	<5	8.8	4.7	0.2	<0.2	<0.1	<5	<10	<5	<5	<2
3/22/97	FL 00685			8.14															
4/14/97	FL 00716	525	0.3	6.43	7.03	21	<10	<10	<5	6.4	3.87	0.3	0.6	0.1	<5	<10	<5	<5	<2
5/31/97	FL 00786			6.05															
7/15/97	FL 00817	650	0.3	6.86	7.16	23	12	<10	<5	5.9	27.1	1.09	<0.2	<0.2	<5	<10	<5	<5	<2
8/18/97	FL 00875			7.27															
9/11/97	FL 00934			7.31															
10/6/97	FL 00993			6.81															
10/15/97	FL 01057	550	0.2	6.81	7.06	24.6	<10	<10	<5	5.9	7.2	0.75	<0.2	0.1	<5	<10	<5	<5	<2
1/19/98	FL 01076	500	0.8	5.99	7.55	22	<10	<10	<5	5.3	14	0.38	<0.2	0.2	<5	<10	<5	<5	<2
2/13/98	FL 01118	700	0.6	6.03	7.09	23	23	<10	<5	10.4	51.9	0.88	<0.2	0.1	<5	<10	6	<5	<2

Number in parentheses is cleanup criteria

CONDU = Specific Conductivity (NC)  
 FLDPH = Field pH (NC)  
 CR = Chromium (100)  
 K = Potassium (NC)  
 O-PO4-P = Orthophosphate-P (NC)  
 BENZ = Benzene (5)

DO = Dissolved Oxygen (NC)  
 TEMP = Temperature (NC)  
 PB = Lead (15)  
 NH3N = Ammonia-N (NC)  
 12DCA = 1,2-Dichloroethane (5)  
 TOL = Toluene (1000)

DTOWT = Depth to Water (NC)  
 AS = Arsenic (50)  
 TOC = Total Organic Carbon (NC)  
 NO3N = Nitrate-N (NC)  
 ACET = Acetone (3500)  
 VINCHL = Vinyl chloride (2)

< Less than shown detection limit  
 J Detected conc. below detection limit  
 E Conc. exceeded instrument calibration range  
 B Analyte also found in method blank  
 D Concentration derived from dilution  
 NC = No cleanup criteria

QUARTERLY GROUNDWATER MONITORING  
First Quarter, 1998 Semi-annual

Well Name  
**S1-033**

French Limited Project  
FLTG, Inc.

Date Col'd	Sample Number	CONDUCT umhos	DO PPM	DTOWTR Ft	FLDpH pH un	TEMP Deg C	AS ug/L	CR ug/L	PB ug/L	TOC mg/L	K mg/L	NH3N mg/L	NO3N mg/L	o-PO4-P mg/L	12DCA ug/L	ACET ug/L	BENZ ug/L	TOL ug/L	VINCHL ug/L
3/22/94	FL 00190														<0.8	<6	<0.3	<0.5	<1.2
1/16/96	FL 00191	495	0.4		6.48	23	<10	<10	<5	<3	68.1	<0.1	131	1.2	<0.8	<6	<0.3	<0.5	<1.2
4/12/96	FL 00192	450	1.6		7.23	20	<10	<10	<5	3.5	59.5	<0.1	288	0.6	<0.8	<6	<0.3	<0.5	<1.2
7/22/96	FL 00194	700	0.16		6.69	22	<10	<10	<3	<1	88	<0.1	0.78	0.49	<0.8	<6	<0.3	<0.5	<1.2
10/7/96	FL 00195	1150	1.2	3.43	6.58	24	13	<10	<5	7.6	65.3	0.2	<0.2	0.4	<5	<10	<5	<5	<10
1/24/97	FL 00196	510	0.15	3.04	6.75	21	<10	<10	<5	9.6	63.4	0.2	<0.2	<0.1	<5	<10	<5	<5	<2
3/22/97	FL 00688				1.88														
4/14/97	FL 00717	410	0.2	2.22	6.67	20	<10	<10	<5	9.8	56.7	0.5	<0.2	<0.1	<5	<10	<5	<5	<2
5/31/97	FL 00787				1.83														
7/15/97	FL 00818	500	0.2	2.76	5.97	23	17	<10	<5	10.4	63.4	0.87	<0.2	<0.2	<5	<10	<5	<5	<2
8/18/97	FL 00876				3.33														
9/11/97	FL 00935				3.58														
10/6/97	FL 00994				2.99														
10/14/97	FL 01040	550	0.5	2.98	6.58	23.3	25	<10	<5	11.3	80.7	1.19	<0.2	0.1	<5	<10	<5	<5	<2
1/19/98	FL 01077	325	0.7	1.9	7.01	21	<10	<10	<5	8.6	28.8	<0.1	<0.2	0.1	<5	<10	<5	<5	<2
2/12/98	FL 01110	500	0.6	1.9	6.56	22	17	<10	<5	9.6	53.6	0.75	<0.2	<0.1	<5	<10	<5	<5	<2

Number in parentheses is cleanup criteria

CONDU = Specific Conductivity (NC)  
FLDPH = Field pH (NC)  
CR = Chromium (100)  
K = Potassium (NC)  
O-PO4-P = Orthophosphate-P (NC)  
BENZ = Benzene (5)

DO = Dissolved Oxygen (NC)  
TEMP = Temperature (NC)  
PB = Lead (15)  
NH3N = Ammonia-N (NC)  
12DCA = 1,2-Dichloroethane (5)  
TOL = Toluene (1000)

DTOWT = Depth to Water (NC)  
AS = Arsenic (50)  
TOC = Total Organic Carbon (NC)  
NO3N = Nitrate-N (NC)  
ACET = Acetone (3500)  
VINCHL = Vinyl chloride (2)

< Less than shown detection limit  
J Detected conc. below detection limit  
E Conc. exceeded instrument calibration range  
B Analyte also found in method blank  
D Concentration derived from dilution  
NC = No cleanup criteria

QUARTERLY GROUNDWATER MONITORING  
First Quarter, 1998 Semi-annual

Well Name  
S1-051-P-3

French Limited Project  
FLTG, Inc.

Date Col'd	Sample Number	CONDUCT umhos	DO PPM	DtowTR Ft	FLDpH pH un	TEMP Deg C	AS ug/L	CR ug/L	PB ug/L	TOC mg/L	K mg/L	NH3N mg/L	NO3N mg/L	o-PO4-P mg/L	12DCA ug/L	ACET ug/L	BENZ ug/L	TOL ug/L	VINCHL ug/L
1/18/96	FL 00197	500	0.6		6.86	21				<3	37.9	0.8	7.4	<0.1	<0.8	<6	<0.3	<0.5	<1.2
4/12/96	FL 00198	450	1.8		6.92	20				11.3	54.8	0.9	4.2	<0.1	<0.8	<6	<0.3	<0.5	<1.2
7/22/96	FL 00200	820	1.7		6.87	23				7.8	81	0.96	3.8	0.086	<0.8	<6	<0.3	<0.5	<1.2
10/7/96	FL 00201	900	0.7	3.67	6.63	24				14.8	72	1.3	<0.2	<0.1	<5	<10	<5	<5	<10
1/24/97	FL 00202	800	0.1	2.61	6.53	21				16.7	72.1	1.7	<0.2	<0.1	<5	<10	<5	<5	<2
3/22/97	FL 00687				2.47														
4/14/97	FL 00718	700	0.2	2.65	6.58	20				15.8	72	1.2	<0.2	<0.1	<5	<10	<5	<5	<2
5/31/97	FL 00788				2.3														
7/15/97	FL 00819	550	0.2	3.1	5.97	23				13.7	44.6	2.4	<0.2	0.2	<5	<10	<5	<5	<2
8/18/97	FL 00877				3.17														
9/11/97	FL 00936				3														
10/6/97	FL 00995				2.6														
10/14/97	FL 01041	700	0.4	2.6	6.33	23.1				14.6	60.9	3.78	<0.2	0.1	<5	<10	<5	<5	<2
1/19/98	FL 01078	775	0.8	1.29	6.98	21				13.7	49	2.39	<0.2	<0.1	<5	<10	<5	<5	<2
2/13/98	FL 01114	700	0.7	2.15	6.64	20				13.7	47.2	4.13	<0.2	0.1	<5	<10	<5	<5	<2

Number in parentheses is cleanup criteria

CONDU = Specific Conductivity (NC)  
FLDPH = Field pH (NC)  
CR = Chromium (100)  
K = Potassium (NC)  
O-PO4-P = Orthophosphate-P (NC)  
BENZ = Benzene (5)

DO = Dissolved Oxygen (NC)  
TEMP = Temperature (NC)  
PB = Lead (15)  
NH3N = Ammonia-N (NC)  
12DCA = 1,2-Dichloroethane (5)  
TOL = Toluene (1000)

DTOWT = Depth to Water (NC)  
AS = Arsenic (50)  
TOC = Total Organic Carbon (NC)  
NO3N = Nitrate-N (NC)  
ACET = Acetone (3500)  
VINCHL = Vinyl chloride (2)

< Less than shown detection limit  
J Detected conc. below detection limit  
E Conc. exceeded instrument calibration range  
B Analyte also found in method blank  
D Concentration derived from dilution  
NC = No cleanup criteria

QUARTERLY GROUNDWATER MONITORING  
First Quarter, 1998 Semi-annual

Well Name  
S1-106A

French Limited Project  
FLTG, Inc.

Date Col'd	Sample Number	CONDUCT umhos	DO PPM	DtowTR ft	FLDpH pH un	TEMP Deg C	AS ug/L	CR ug/L	PB ug/L	TOC mg/L	K mg/L	NH3N mg/L	NO3N mg/L	o-PO4-P mg/L	12DCA ug/L	ACET ug/L	BENZ ug/L	TOL ug/L	VINCHL ug/L
11/1/95	FL 00246	470	15		6.74	25				3	35	<0.1	21.7	<0.2	<0.8	<6	<0.3	<0.5	<1.2
1/15/96	FL 00247	450	15		6.7	24				<3	47	<0.1	92.3	0.71	<0.8	<6	<0.3	<0.5	<1.2
4/12/96	FL 00248	400	12.6		7.52	21				<2	43.1	0.2	16.6	0.6	<0.8	<6	<0.3	<0.5	<1.2
7/22/96	FL 00250	800	7.6		7.26	22				<1	52	<0.1	23.3	1	7	<6	<0.3	<0.5	<1.2
10/7/96	FL 00251	850	1	2.28	6.96	24				2.5	29	<0.1	11.4	0.6	<5	<10	<5	<5	<10
1/24/97	FL 00252	800	1	0.7	6.85	20				3.9	36.5	<0.1	16.2	0.8	<5	<10	<5	<5	<2
3/22/97	FL 00689				0.6														
4/15/97	FL 00719	600	0.4	0.87	6.75	20				1.1	46.8	<0.1	15.4	1.2	<5	<10	<5	<5	<2
5/31/97	FL 00791				0.37														
7/15/97	FL 00820	700	0.1	2.48	6.73	23				2.7	44	<0.1	12.9	1.6	32	<10	8	<5	39
8/18/97	FL 00880				3.22														
9/11/97	FL 00939				3.2														
10/6/97	FL 00998				2.57														
10/15/97	FL 01058	700	0.5	2.57	6.93	23.2				2.1	47.1	0.15	9.8	1.5	J4	<10	<5	<5	2
1/20/98	FL 01079	550	0.4	0.6	6.96	20				5.1	35.2	<0.1	7	0.8	J4	<10	<5	<5	2
2/15/98	FL 01124	800	0.7	0.5	6.81	21				4.1	59	0.26	8	1	13	<10	6	<5	15

Number in parentheses is cleanup criteria

CONDU = Specific Conductivity (NC)  
FLDPH = Field pH (NC)  
CR = Chromium (100)  
K = Potassium (NC)  
O-PO4-P = Orthophosphate-P (NC)  
BENZ = Benzene (5)

DO = Dissolved Oxygen (NC)  
TEMP = Temperature (NC)  
PB = Lead (15)  
NH3N = Ammonia-N (NC)  
12DCA = 1,2-Dichloroethane (5)  
TOL = Toluene (1000)

DTOWT = Depth to Water (NC)  
AS = Arsenic (50)  
TOC = Total Organic Carbon (NC)  
NO3N = Nitrate-N (NC)  
ACET = Acetone (3500)  
VINCHL = Vinyl chloride (2)

< Less than shown detection limit  
J Detected conc. below detection limit  
E Conc. exceeded instrument calibration range  
B Analyte also found in method blank  
D Concentration derived from dilution  
NC = No cleanup criteria

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QUARTERLY GROUNDWATER MONITORING  
First Quarter, 1998 Semi-annual

Well Name  
S1-106R

French Limited Project  
FLTG, Inc.

Date Col'd	Sample Number	CONDUCT umhos	DO PPM	DtowTR Ft	FLDpH pH un	TEMP Deg C	AS ug/L	CR ug/L	PB ug/L	TOC mg/L	K mg/L	NH3N mg/L	NO3N mg/L	o-PO4-P mg/L	12DCA ug/L	ACET ug/L	BENZ ug/L	TOL ug/L	VINCHL ug/L	
3/22/97	FL 00690			4.62																
5/31/97	FL 00792			4.47																
1/21/98	FL 01089	1000	0.4	4.8	6.8	20				26.7	41.1	2.41	<0.2	6.7	<5	<10	53	<5	<2	
2/15/98	FL 01127	950	0.8	4.54	6.65	21				25.7	38.7	3.93	<0.2	6.8	<5	<10	57	<5	<2	

Number in parentheses is cleanup criteria

CONDU = Specific Conductivity (NC)  
FLDPH = Field pH (NC)  
CR = Chromium ( 100)  
K = Potassium (NC)  
O-PO4-P = Orthophosphate-P (NC)  
BENZ = Benzene ( 5)

DO = Dissolved Oxygen (NC)  
TEMP = Temperature (NC)  
PB = Lead ( 15)  
NH3N = Ammonia-N (NC)  
12DCA = 1,2-Dichloroethane ( 5)  
TOL = Toluene ( 1000)

DTOWT = Depth to Water (NC)  
AS = Arsenic ( 50)  
TOC = Total Organic Carbon (NC)  
NO3N = Nitrate-N (NC)  
ACET = Acetone ( 3500)  
VINCHL = Vinyl chloride ( 2)

< Less than shown detection limit  
J Detected conc. below detection limit  
E Conc. exceeded instrument calibration range  
B Analyte also found in method blank  
D Concentration derived from dilution  
NC = No cleanup criteria

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QUARTERLY GROUNDWATER MONITORING  
First Quarter, 1998 Semi-annual

Well Name  
S1-108A

French Limited Project  
FLTG, Inc.

Date Col'd	Sample Number	CONDUCT umhos	DO PPM	DtoWTR Ft	FLDpH pH un	TEMP Deg C	AS ug/L	CR ug/L	PB ug/L	TOC mg/L	K mg/L	NH3N mg/L	NO3N mg/L	o-PO4-P mg/L	12DCA ug/L	ACET ug/L	BENZ ug/L	TOL ug/L	VINCHL ug/L
11/1/95	FL 00255	425	0.5		5.98	25				8	17.9	0.8	5.8	<0.2	10	<6	<0.3	<0.5	<1.2
1/15/96	FL 00256	470	2		6.07	22				51.6	28.2	0.2	51.6	0.33	<0.8	<6	<0.3	<0.5	<1.2
4/12/96	FL 00257	400	1.8		7.08	20				3.8	34.2	<0.1	4.2	0.1	<0.8	<6	4	3	<1.2
7/22/96	FL 00259	650	0.1		6.8	25				1.1	38	0.67	0.47	0.23	<0.8	<6	<0.3	<0.5	<1.2
10/7/96	FL 00260	775	0.8	5.61	6.42	25				4.5	34.7	0.4	0.3	0.1	<5	<10	<5	<5	<10
1/24/97	FL 00261	625	0.1	4.26	6.52	20				8	28.7	0.4	<0.2	<0.1	<5	<10	<5	<5	<2
3/22/97	FL 00691			4.3															
4/15/97	FL 00720	500	0.6	4.59	6.5	19				6	37.1	0.4	<0.2	0.1	<5	<10	<5	<5	<2
5/31/97	FL 00793			4.01															
7/15/97	FL 00821	600	0.1	5.32	6.34	23				7.5	35.4	0.75	<0.2	<0.2	<5	J4	<5	<5	<2
8/18/97	FL 00882			5.47															
9/11/97	FL 00941			5.33															
10/6/97	FL 01000			4.88															
10/14/97	FL 01042	600	0.3	4.88	6.31	24.2				7.4	38.8	1.81	<0.2	0.4	<5	<10	<5	<5	<2
1/20/98	FL 01080	600	0.7	4.09	6.74	20				7.2	40.4	0.75	<0.2	0.1	<5	<10	<5	<5	<2
2/12/98	FL 01106	550	0.5	3.95	6.52	20				8.4	38.5	2.2	<0.2	0.1	<5	<10	<5	<5	<2

Number in parentheses is cleanup criteria

CONDU = Specific Conductivity (NC)  
FLDPH = Field pH (NC)  
CR = Chromium (100)  
K = Potassium (NC)  
O-PO4-P = Orthophosphate-P (NC)  
BENZ = Benzene (5)

DO = Dissolved Oxygen (NC)  
TEMP = Temperature (NC)  
PB = Lead (15)  
NH3N = Ammonia-N (NC)  
12DCA = 1,2-Dichloroethane (5)  
TOL = Toluene (1000)

DTOWT = Depth to Water (NC)  
AS = Arsenic (50)  
TOC = Total Organic Carbon (NC)  
NO3N = Nitrate-N (NC)  
ACET = Acetone (3500)  
VINCHL = Vinyl chloride (2)

< Less than shown detection limit  
J Detected conc. below detection limit  
E Conc. exceeded instrument calibration range  
B Analyte also found in method blank  
D Concentration derived from dilution  
NC = No cleanup criteria

QUARTERLY GROUNDWATER MONITORING  
First Quarter, 1998 Semi-annual

Well Name  
S1-111

French Limited Project  
FLTG, Inc.

Date Col'd	Sample Number	CONDUCT umhos	DO PPM	DtOWTR Ft	FLDpH pH un	TEMP Deg C	AS ug/L	CR ug/L	PB ug/L	TOC mg/L	K mg/L	NH3N mg/L	NO3N mg/L	o-PO4-P mg/L	12DCA ug/L	ACET ug/L	BENZ ug/L	TOL ug/L	VINCHL ug/L	
12/2/91	FL 00264	1790	0.2		6.45	21.4	8	< 20	< 25		40		< 0.02	290	81	360	1700	430	< 100	
7/22/92	FL 00265									42					< 25	350	320	78	16	
9/26/92	FL 00266														< 10	210	210	21	18	
12/16/92	FL 00267	900	4		6.91	19.2				19		8.05	1.2	< 0.05	< 0.01	3	130	120	20	< 10
12/26/92	FL 00268																			
3/24/93	FL 00269	438	2.8		6.95	18.7				16	5.7	1.51	< 0.05	0.03	< 5	110	89	17	< 10	
6/24/93	FL 00270									16					< 5	57	33	4	< 10	
6/25/93	FL 00271	248	2.8		6.97	23.5														
9/7/93	FL 00272									25.8	7.81	1.82	0.09	0.03	4	< 10	71	10	< 10	
12/29/93	FL 00274									16	3.58	0.88	< 0.05	0.25	< 5	< 10	16	< 5	< 10	
3/22/94	FL 00275	380	1.4		6.92	16									< 0.8	< 6	8	< 0.5	< 1.2	
6/7/94	FL 00277														< 0.8	< 6	5	< 0.5	< 1.2	
6/7/94	FL 00276	330	0.2		6.85	21														
12/21/94	FL 00278	800	15		9.3	24	26.3	132	98.4			155	< 0.1	< 2	< 2	< 0.8	< 6	< 0.3	< 0.5	< 1.2
12/21/94	FL 00279									3.4										
12/15/95	FL 00280	525	15		7.84	21					6.7	126	< 0.1	231	18.5	< 0.8	< 6	< 0.3	< 0.5	< 1.2
1/15/96	FL 00281	900	15		7.74	22	< 10	12	9	9										
4/12/96	FL 00282	600	15		7.18	21	< 10	< 10	< 5											
7/22/96	FL 00284	1050	15		7.53	22	< 10	< 10	< 3			170								
10/7/96	FL 00285	1050	8.9	3.79	6.8	24	< 10	< 10	< 5											
1/24/97	FL 00286	850	2.2	2.72	6.97	21	< 10	< 10	< 5											
3/22/97	FL 00692			2.53																
4/15/97	FL 00721	720	0.6	2.7	6.96	20	< 10	< 10	< 5											
5/31/97	FL 00794			2.38																
7/15/97	FL 00822	700	0.2	3.11	6.61	23	< 10	< 10	< 5											

Number in parentheses is cleanup criteria

CONDU = Specific Conductivity (NC)

FLDPH = Field pH (NC)

CR = Chromium (100)

K = Potassium (NC)

O-PO4-P = Orthophosphate-P (NC)

BENZ = Benzene (5)

DO = Dissolved Oxygen (NC)

TEMP = Temperature (NC)

PB = Lead (15)

NH3N = Ammonia-N (NC)

12DCA = 1,2-Dichloroethane (5)

TOL = Toluene (1000)

DTOWT = Depth to Water (NC)

AS = Arsenic (50)

TOC = Total Organic Carbon (NC)

NO3N = Nitrate-N (NC)

ACET = Acetone (3500)

VINCHL = Vinyl chloride (2)

< Less than shown detection limit

J Detected conc. below detection limit

E Conc. exceeded instrument calibration range

B Analyte also found in method blank

D Concentration derived from dilution

NC = No cleanup criteria

QUARTERLY GROUNDWATER MONITORING  
First Quarter, 1998 Semi-annual

Well Name  
**S1-111**

French Limited Project  
**FLTG, Inc.**

Date Col'd	Sample Number	CONDUCT umhos	DO PPM	DtoWTR Ft	FLDpH pH un	TEMP Deg C	AS ug/L	CR ug/L	PB ug/L	TOC mg/L	K mg/L	NH3N mg/L	NO3N mg/L	o-PO4-P mg/L	12DCA ug/L	ACET ug/L	BENZ ug/L	TOL ug/L	VINCHL ug/L
8/18/97	FL 00883			3.18															
9/11/97	FL 00942			3.07															
10/6/97	FL 01001			2.68															
10/14/97	FL 01043	720	0.5	2.68	6.65	23.5	< 10	< 10	< 5										
1/20/98	FL 01081	750	0.7	2.12	7.01	21	< 10	< 10	< 5										
2/12/98	FL 01105	700	0.6	2.14	6.58	21	< 10	< 10	16										

Number in parentheses is cleanup criteria

CONDU = Specific Conductivity (NC)  
FLDPH = Field pH (NC)  
CR = Chromium (100)  
K = Potassium (NC)  
O-PO4-P = Orthophosphate-P (NC)  
BENZ = Benzene (5)

DO = Dissolved Oxygen (NC)  
TEMP = Temperature (NC)  
PB = Lead (15)  
NH3N = Ammonia-N (NC)  
12DCA = 1,2-Dichloroethane (5)  
TOL = Toluene (1000)

DTOWT = Depth to Water (NC)  
AS = Arsenic (50)  
TOC = Total Organic Carbon (NC)  
NO3N = Nitrate-N (NC)  
ACET = Acetone (3500)  
VINCHL = Vinyl chloride (2)

< Less than shown detection limit  
J = Detected conc. below detection limit  
E = Conc. exceeded instrument calibration range  
B = Analyte also found in method blank  
D = Concentration derived from dilution  
NC = No cleanup criteria

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QUARTERLY GROUNDWATER MONITORING  
First Quarter, 1998 Semi-annual

Well Name  
S1-118

French Limited Project  
FLTG, Inc.

Date Col'd	Sample Number	CONDUCT umhos	DO PPM	DtowTR Ft	FLDpH pH un	TEMP Deg C	AS ug/L	CR ug/L	PB ug/L	TOC mg/L	K mg/L	NH3N mg/L	NO3N mg/L	o-PO4-P mg/L	12DCA ug/L	ACET ug/L	BENZ ug/L	TOL ug/L	VINCHL ug/L
5/22/92	FL 00295														<5	<10	5	<5	<10
12/17/92	FL 00296	230	5.4		6.91	22.9				8					<5	<10	<5	<5	<10
12/29/93	FL 00298														7	<6	<0.3	<0.5	<1.2
12/29/93	FL 00297									19									
3/22/94	FL 00299	315	2		6.66	22													
12/21/94	FL 00301																		
12/21/94	FL 00300	308	3.4		6.55	24	5.6	5.3	6.3	9.4	3.63	0.13	<2	<2	<0.8	22	<0.3	<0.5	<1.2
12/15/95	FL 00302	470	2.2		8	21				9					<0.8	<6	<0.3	<0.5	<1.2
1/15/96	FL 00303	200	1.6		6.67	24	<10	<10	<5	<0.5	2.7	<0.1	<0.2	<0.1	<0.8	<6	<0.3	<0.5	<1.2
4/12/96	FL 00304	500	1.6		6.74	21	<10	<10	<5	6.2	1.72	0.1	<0.2	<0.1	<0.8	<6	<0.3	<0.5	<1.2
7/22/96	FL 00306	310	0.8		6.28	26	<10	<10	<3	6.1	1.5	0.2	<0.05	0.055	<0.8	<6	<0.3	<0.5	<1.2
10/7/96	FL 00307	825	1.2	8.95	6.35	27	<10	<10	<5	5.7	1.89	0.3	<0.2	<0.1	<5	<10	<5	<5	<10
1/24/97	FL 00308	355	0.15	8.99	6.5	23	27	<10	<5	9.1	1.74	<0.1	0.4	<0.1	<5	<10	<5	<5	<2
3/22/97	FL 00693				7.02														
4/15/97	FL 00722	300	0.4	7.44	6.62	20	<10	<10	<5	6.3	1.94	0.2	<0.2	<0.1	<5	<10	<5	<5	<2
5/31/97	FL 00795				6.72														
7/15/97	FL 00823	200	0.1	8.15	6.19	25	10	<10	<5	6.6	1.84	0.23	<0.2	<0.2	<5	<10	<5	<5	<2
8/18/97	FL 00885				9.06														
9/11/97	FL 00944				9.61														
10/6/97	FL 01003				9.9														
10/14/97	FL 01044	315	1.1	9.9	6.06	26	10.2	<10	<5	7.7	2.3	0.36	<0.2	<0.1	<5	<10	<5	<5	<2
1/20/98	FL 01082	335	0.6	7.25	7.62	22	<10	<10	<5	7.4	2.04	0.16	<0.2	0.1	<5	<10	<5	<5	<2
2/13/98	FL 01117	350	0.5	7.17	6.58	23	<10	<10	<5	7.9	2	0.34	<0.2	<0.1	<5	<10	<5	<5	<2

Number in parentheses is cleanup criteria

CONDU = Specific Conductivity (NC)

FLDPH = Field pH (NC)

CR = Chromium (100)

K = Potassium (NC)

O-PO4-P = Orthophosphate-P (NC)

BENZ = Benzene (5)

DO = Dissolved Oxygen (NC)

TEMP = Temperature (NC)

PB = Lead (15)

NH3N = Ammonia-N (NC)

12DCA = 1,2-Dichloroethane (5)

TOL = Toluene (1000)

DTOWT = Depth to Water (NC)

AS = Arsenic (50)

TOC = Total Organic Carbon (NC)

NO3N = Nitrate-N (NC)

ACET = Acetone (3500)

VINCHL = Vinyl chloride (2)

< Less than shown detection limit

J Detected conc. below detection limit

E Conc. exceeded instrument calibration range

B Analyte also found in method blank

D Concentration derived from dilution

NC = No cleanup criteria

QUARTERLY GROUNDWATER MONITORING  
First Quarter, 1998 Semi-annual

Well Name  
S1-121

French Limited Project  
FLTG, Inc.

Date Col'd	Sample Number	CONDUCT umhos	DO PPM	DTOWTR Ft	FLDpH pH un	TEMP Deg C	AS ug/L	CR ug/L	PB ug/L	TOC mg/L	K mg/L	NH3N mg/L	NO3N mg/L	o-PO4-P mg/L	12DCA ug/L	ACET ug/L	BENZ ug/L	TOL ug/L	VINCHL ug/L			
6/20/93	FL 00309									32					< 25	< 50	220	< 25	< 50			
12/29/93	FL 00311									762	8.71	1.2	< 0.05	0.09	215147	76036	1055	364	7278			
6/7/94	FL 00312	1700	2		6.18	23									69	< 6	74	21	45			
12/21/94	FL 00314				778	23	10.1	9	7.2		20											
12/21/94	FL 00313	900	3.1									3.1	0.43	< 2	< 2	26	< 6	2	< 0.5	< 1.2		
5/5/95	FL 00315	700	3		6.56	23						9.4	< 0.1	1.3	< 0.7	< 0.8	< 6	< 0.3	< 0.5	< 1.2		
6/6/95	FL 00316	700	5.6		6.59	23						7.4	< 0.1	4.1	< 0.2	6	< 6	< 0.3	< 0.5	< 1.2		
9/1/95	FL 00317	650	15		6.45	25						6.6	2.79	< 0.1	< 0.2	< 0.2	4	< 6	< 0.3	< 0.5	< 1.2	
10/2/95	FL 00318	525	6.2		6.51	26						36	3.89	< 0.1	< 0.2	< 0.2	41	< 6	12	7	140	
11/1/95	FL 00320												3.86	0.1	2.4	< 0.2	12	< 6	6	2	49	
11/1/95	FL 00319	750	0.6		6.32	24						17										
12/15/95	FL 00321	700	4.4		6.68	25						35	4.79	0.1	< 0.2	< 0.1	48	324	57	24	311	
1/18/96	FL 00322	750	10.2		6.8	24						108	108	0.1	56.2	< 0.1	40	< 6	< 0.3	< 0.5	17	
4/12/96	FL 00323	750	1.7		6.84	23						14.6	19	0.7	< 0.2	< 0.1	24	< 6	5	< 0.5	66	
7/22/96	FL 00325	1300	0.1		6.85	23						5.2	43	0.58	0.75	0.031	8	< 6	4	< 0.5	8	
10/7/96	FL 00326	1300	1	8.79	6.89	25						5.1	34.6	< 0.1	6	< 0.1	3	< 10	< 5	< 5	< 10	
1/24/97	FL 00327	1150	0.1	7.88	6.77	22						9.5	53.8	< 0.1	9.9	< 0.1	< 5	< 10	< 5	< 5	< 2	
3/22/97	FL 00695			7.14																		
4/15/97	FL 00724	1200	0.2	7.45	6.86							11.3	29.9	0.2	< 0.2	< 0.1	< 5	< 10	12	< 5	< 2	
5/31/97	FL 00797			7.03																		
7/15/97	FL 00825	1300		8.86	6.6	24						29.6	31	0.63	4.4	10	< 5	< 10	J3	J4	< 2	
8/18/97	FL 00887			9.77																		
9/11/97	FL 00946			9.61																		
10/6/97	FL 01005			9.16																		
11/5/97	FL 01063	1150	1.2	8.27	6.4	24.5						4.5	42.6	< 0.1	7.8	< 0.2	< 5	< 10	< 5	< 5	< 2	

Number in parentheses is cleanup criteria

CONDU = Specific Conductivity (NC)  
FLDPH = Field pH (NC)  
CR = Chromium (100)  
K = Potassium (NC)  
O-PO4-P = Orthophosphate-P (NC)  
BENZ = Benzene (5)

DO = Dissolved Oxygen (NC)  
TEMP = Temperature (NC)  
PB = Lead (15)  
NH3N = Ammonia-N (NC)  
12DCA = 1,2-Dichloroethane (5)  
TOL = Toluene (1000)

DTOWT = Depth to Water (NC)  
AS = Arsenic (50)  
TOC = Total Organic Carbon (NC)  
NO3N = Nitrate-N (NC)  
ACET = Acetone (3500)  
VINCHL = Vinyl chloride (2)

< Less than shown detection limit  
J Detected conc. below detection limit  
E Conc. exceeded instrument calibration range  
B Analyte also found in method blank  
D Concentration derived from dilution  
NC = No cleanup criteria

Page 1 of 2

**QUARTERLY GROUNDWATER MONITORING**  
First Quarter, 1998 Semi-annual

**Well Name**  
**S1-121**

**French Limited Project**  
**FLTG, Inc.**

Date Col'd	Sample Number	CONDUCT umhos	DO PPM	DtoWTR Ft	FLDpH pH un	TEMP Deg C	AS ug/L	CR ug/L	PB ug/L	TOC mg/L	K mg/L	NH3N mg/L	NO3N mg/L	o-PO4-P mg/L	12DCA ug/L	ACET ug/L	BENZ ug/L	TOL ug/L	VINCHL ug/L
1/20/98	FL 01084	1100	0.4	7.12	7.31	23				6.2	55.4	<0.1	<0.2	<0.1	<5	<10	J 2	<5	<2
2/13/98	FL 01119	1200		7.09	6.76	23				7.4	44.4	<0.1	1.2	<0.1	<5	<10	J 2	<5	<2

Number in parentheses is cleanup criteria

CONDU = Specific Conductivity (NC)  
FLDPH = Field pH (NC)  
CR = Chromium ( 100)  
K = Potassium (NC)  
O-PO4-P = Orthophosphate-P (NC)  
BENZ = Benzene ( 5)

DO = Dissolved Oxygen (NC)  
TEMP = Temperature (NC)  
PB = Lead ( 15)  
NH3N = Ammonia-N (NC)  
12DCA = 1,2-Dichloroethane ( 5)  
TOL = Toluene ( 1000)

DTOWT = Depth to Water (NC)  
AS = Arsenic ( 50)  
TOC = Total Organic Carbon (NC)  
NO3N = Nitrate-N (NC)  
ACET = Acetone ( 3500)  
VINCHL = Vinyl chloride ( 2)

< Less than shown detection limit  
J Detected conc. below detection limit  
E Conc. exceeded instrument calibration range  
B Analyte also found in method blank  
D Concentration derived from dilution  
NC = No cleanup criteria

Page 2 of 2

QUARTERLY GROUNDWATER MONITORING  
First Quarter, 1998 Semi-annual

Well Name  
S1-123

French Limited Project  
FLTG, Inc.

Date Col'd	Sample Number	CONDUCT umhos	DO PPM	DtOWTR Ft	FLDpH pH un	TEMP Deg C	AS ug/L	CR ug/L	PB ug/L	TOC mg/L	K mg/L	NH3N mg/L	NO3N mg/L	o-PO4-P mg/L	12DCA ug/L	ACET ug/L	BENZ ug/L	TOL ug/L	VINCHL ug/L	
7/22/93	FL 00330														4100	< 500	< 250	< 250	< 500	
12/29/93	FL 00331	700	1.8		8.94	22				11	26.7	< 0.1	< 0.05	0.13	3561	74	50	20	135	
6/7/94	FL 00332	800	4		6.73	24									2400	< 300	< 15	< 25	< 60	
9/5/94	FL 00333	220	15		6.5	30									4	10	< 0.3	< 0.5	< 1.2	
9/5/94	FL 00334																			
12/21/94	FL 00335	600	8		7.18	23.5						16.9	0.11	4.2	< 2	320	< 120	< 6	< 10	< 24
3/12/95	FL 00336	725	15		6.99	23						15.3	< 0.1	12.6	0.2	110	220	< 7.5	< 12.5	< 30
4/4/95	FL 00338											3.51	< 0.1	< 0.2	< 0.2					
4/4/95	FL 00337	600	14.6		6.91	23				12										
5/5/95	FL 00339	600	15		6.86	23				11	6.1	< 0.1	2.8	< 0.7	17	< 6	< 0.3	< 0.5	< 1.2	
6/6/95	FL 00341	500	15		6.99	24														
6/6/95	FL 00340											8.89	< 0.1	0.2	< 0.2	2	< 6	< 0.3	< 0.5	< 1.2
7/5/95	FL 00342	575	0.6		6.91	24				9	21.2	< 0.1	1.1	0.1	17	< 6	< 0.3	< 0.5	< 1.2	
8/2/95	FL 00343	550	6.1		6.75	24				15	24.2	0.43	< 0.1	< 0.1	46	19	< 0.3	< 0.5	< 1.2	
9/1/95	FL 00345											28.1	25.9	< 0.2	< 0.2					
9/1/95	FL 00344	550	0.3		6.64	24				2					260	< 60	< 3	< 5	< 12	
10/2/95	FL 00346	420	9.6		6.62	24				26	23.8	0.1	0.3	< 0.2	730	< 6	6	4	4	
11/1/95	FL 00347	475	15		6.79	25				6	24.9	< 0.1	9.9	< 0.2	1000	< 150	< 7.5	< 12.5	< 30	
12/15/95	FL 00348	370	14.6		6.76	24				8	5.3	< 0.1	7.35	0.81	18	< 12	< 0.6	< 1	< 2.4	
1/23/96	FL 00349	500	3.2		7.13	25				0.43	8.2	< 0.1	2.4	0.43	180	4	< 0.3	< 0.5	4	
4/12/96	FL 00350	550	2.2		6.98	22				4.8	17	0.3	0.2	0.3	680	< 60	< 3	< 5	< 12	
7/22/96	FL 00352	1130	5		6.84	24				9.3	28	0.44	< 0.05	0.94	19000	< 60	< 3	43	2600	
10/7/96	FL 00353	1100	1.2	1.67	6.58	26				6.8	7.85	0.6	< 0.2	0.2	4	< 10	< 5	< 5	21	
1/24/97	FL 00354	975	0.2	0.1	6.95	23				11.4	8.05	0.6	< 0.2	< 0.1	< 5	< 10	< 5	< 5	5	
3/22/97	FL 00696				0															
4/15/97	FL 00727	400	0.2	0.35	6.89	23				4.3	5.67	0.3	< 0.2	0.3	28	< 10	< 5	< 5	2	

Number in parentheses is cleanup criteria

CONDU = Specific Conductivity (NC)

FLDPH = Field pH (NC)

CR = Chromium (100)

K = Potassium (NC)

O-PO4-P = Orthophosphate-P (NC)

BENZ = Benzene (5)

DO = Dissolved Oxygen (NC)

TEMP = Temperature (NC)

PB = Lead (15)

NH3N = Ammonia-N (NC)

12DCA = 1,2-Dichloroethane (5)

TOL = Toluene (1000)

DTOWT = Depth to Water (NC)

AS = Arsenic (50)

TOC = Total Organic Carbon (NC)

NO3N = Nitrate-N (NC)

ACET = Acetone (3500)

VINCHL = Vinyl chloride (2)

< Less than shown detection limit

J Detected conc. below detection limit

E Conc. exceeded instrument calibration range

B Analyte also found in method blank

D Concentration derived from dilution

NC = No cleanup criteria

**ANALYTICAL DATA SUMMARY REPORT****FLTG, INC.**

Ground Water

**French Limited**

ArCoC #:	FL 0047				Sample Name: <b>S1-123</b>
Sample ID:	FL 01156	<b>Compound</b>	<b>Concentration</b>	<b>Units</b>	Date Coll'd: 4/13/98
		1,1,1-TRICHLOROETHANE	< 2500	ug/L	
		1,1,2,2-TETRACHLOROETHANE	< 2500	ug/L	
		1,1,2-TRICHLOROETHANE	< 2500	ug/L	
		1,1-DICHLOROETHANE	< 2500	ug/L	
		1,1-DICHLOROETHENE	< 2500	ug/L	
		1,2-DICHLOROETHANE	46000	ug/L	
		1,2-DICHLOROPROPANE	< 2500	ug/L	
		2-BUTANONE	< 5000	ug/L	
		2-HEXANONE	< 5000	ug/L	
		4-METHYL-2-PENTANONE	< 5000	ug/L	
		ACETONE	< 5000	ug/L	
		BENZENE	< 2500	ug/L	
		BROMODICHLOROMETHANE	< 2500	ug/L	
		BROMOFORM	< 5000	ug/L	
		BROMOMETHANE	< 5000	ug/L	
		CARBON DISULFIDE	< 2500	ug/L	
		CARBON TETRACHLORIDE	< 2500	ug/L	
		CHLOROBENZENE	< 2500	ug/L	
		CHLOROETHANE	< 5000	ug/L	
		CHLOROFORM	56000	ug/L	
		CHLOROMETHANE	< 5000	ug/L	
		CIS-1,3-DICHLOROPROPENE	< 2500	ug/L	
		DIBROMOCHLOROMETHANE	< 2500	ug/L	
		ETHYLBENZENE	< 2500	ug/L	
		METHYLENE CHLORIDE	2700	ug/L	
		STYRENE	< 2500	ug/L	
		TETRACHLOROETHENE	J 1800	ug/L	
		TOLUENE	< 2500	ug/L	
		TRANS-1,3-DICHLOROPROPENE	< 2500	ug/L	
		TRICHLOROETHENE	5200	ug/L	
		VINYL ACETATE	< 5000	ug/L	
		VINYL CHLORIDE	< 5000	ug/L	

**ANALYTICAL DATA SUMMARY REPORT****FLTG, INC.**

Ground Water

**French Limited**

ArCoC #:	FL 0047	Compound	Concentration	Units	Sample Name: S1-123	Date Coll'd: 4/14/98
Sample ID:	FL 01157					
		1,1,1-TRICHLOROETHANE	< 500	ug/L		
		1,1,2,2-TETRACHLOROETHANE	< 500	ug/L		
		1,1,2-TRICHLOROETHANE	< 500	ug/L		
		1,1-DICHLOROETHANE	J 380	ug/L		
		1,1-DICHLOROETHENE	< 500	ug/L		
		1,2-DICHLOROETHANE	11000	ug/L		
		1,2-DICHLOROPROPANE	< 500	ug/L		
		2-BUTANONE	< 1000	ug/L		
		2-HEXANONE	< 1000	ug/L		
		4-METHYL-2-PENTANONE	< 1000	ug/L		
		ACETONE	J 460	ug/L		
		BENZENE	< 500	ug/L		
		BROMODICHLOROMETHANE	< 500	ug/L		
		BROMOFORM	< 1000	ug/L		
		BROMOMETHANE	< 1000	ug/L		
		CARBON DISULFIDE	< 500	ug/L		
		CARBON TETRACHLORIDE	< 500	ug/L		
		CHLOROBENZENE	< 500	ug/L		
		CHLOROETHANE	< 1000	ug/L		
		CHLOROFORM	13000	ug/L		
		CHLOROMETHANE	< 1000	ug/L		
		CIS-1,3-DICHLOROPROPENE	< 500	ug/L		
		DIBROMOCHLOROMETHANE	< 500	ug/L		
		ETHYLBENZENE	< 500	ug/L		
		METHYLENE CHLORIDE	580	ug/L		
		STYRENE	< 500	ug/L		
		TETRACHLOROETHENE	J 400	ug/L		
		TOLUENE	< 500	ug/L		
		TRANS-1,3-DICHLOROPROPENE	< 500	ug/L		
		TRICHLOROETHENE	1200	ug/L		
		VINYL ACETATE	< 1000	ug/L		
		VINYL CHLORIDE	< 1000	ug/L		

**ANALYTICAL DATA SUMMARY REPORT****FLTG, INC.**

Ground Water

**French Limited**

ArCoC #:	FL 0048				Sample Name: <b>S1-123</b>
Sample ID:	FL 01164	<b>Compound</b>	<b>Concentration</b>	<b>Units</b>	Date Coll'd: 4/15/98
		1,1,1-TRICHLOROETHANE	< 500	ug/L	
		1,1,2,2-TETRACHLOROETHANE	< 500	ug/L	
		1,1,2-TRICHLOROETHANE	< 500	ug/L	
		1,1-DICHLOROETHANE	< 500	ug/L	
		1,1-DICHLOROETHENE	< 500	ug/L	
		1,2-DICHLOROETHANE	12000	ug/L	
		1,2-DICHLOROPROPANE	< 500	ug/L	
		2-BUTANONE	< 1000	ug/L	
		2-HEXANONE	< 1000	ug/L	
		4-METHYL-2-PENTANONE	< 1000	ug/L	
		ACETONE	J 410	ug/L	
		BENZENE	< 500	ug/L	
		BROMODICHLOROMETHANE	< 500	ug/L	
		BROMOFORM	< 1000	ug/L	
		BROMOMETHANE	< 1000	ug/L	
		CARBON DISULFIDE	< 500	ug/L	
		CARBON TETRACHLORIDE	< 500	ug/L	
		CHLOROBENZENE	< 500	ug/L	
		CHLOROETHANE	< 1000	ug/L	
		CHLOROFORM	15000	ug/L	
		CHLOROMETHANE	< 1000	ug/L	
		CIS-1,3-DICHLOROPROPENE	< 500	ug/L	
		DIBROMOCHLOROMETHANE	< 500	ug/L	
		ETHYLBENZENE	< 500	ug/L	
		METHYLENE CHLORIDE	670	ug/L	
		STYRENE	< 500	ug/L	
		TETRACHLOROETHENE	590	ug/L	
		TOLUENE	< 500	ug/L	
		TRANS-1,3-DICHLOROPROPENE	< 500	ug/L	
		TRICHLOROETHENE	1500	ug/L	
		VINYL ACETATE	< 1000	ug/L	
		VINYL CHLORIDE	J 450	ug/L	

**ANALYTICAL DATA SUMMARY REPORT****FLTG, INC.**

Ground Water

**French Limited**

ArCoC #:	FL 0049			Sample Name:	S1-123
Sample ID:	FL 01167	Compound	Concentration	Units	Date Coll'd: 4/16/98
		1,1,1-TRICHLOROETHANE	< 1000	ug/L	
		1,1,2,2-TETRACHLOROETHANE	< 1000	ug/L	
		1,1,2-TRICHLOROETHANE	< 1000	ug/L	
		1,1-DICHLOROETHANE	1300	ug/L	
		1,1-DICHLOROETHENE	< 1000	ug/L	
		1,2-DICHLOROETHANE	31000	ug/L	
		1,2-DICHLOROPROPANE	< 1000	ug/L	
		2-BUTANONE	< 2000	ug/L	
		2-HEXANONE	< 2000	ug/L	
		4-METHYL-2-PENTANONE	< 2000	ug/L	
		ACETONE	< 2000	ug/L	
		BENZENE	< 1000	ug/L	
		BROMODICHLOROMETHANE	< 1000	ug/L	
		BROMOFORM	< 2000	ug/L	
		BROMOMETHANE	< 2000	ug/L	
		CARBON DISULFIDE	< 1000	ug/L	
		CARBON TETRACHLORIDE	< 1000	ug/L	
		CHLOROBENZENE	< 1000	ug/L	
		CHLOROETHANE	< 2000	ug/L	
		CHLOROFORM	40000	ug/L	
		CHLOROMETHANE	< 2000	ug/L	
		CIS-1,3-DICHLOROPROPENE	< 1000	ug/L	
		DIBROMOCHLOROMETHANE	< 1000	ug/L	
		ETHYLBENZENE	< 1000	ug/L	
		METHYLENE CHLORIDE	2800	ug/L	
		STYRENE	< 1000	ug/L	
		TETRACHLOROETHENE	1500	ug/L	
		TOLUENE	< 1000	ug/L	
		TRANS-1,3-DICHLOROPROPENE	< 1000	ug/L	
		TRICHLOROETHENE	4000	ug/L	
		VINYL ACETATE	< 2000	ug/L	
		VINYL CHLORIDE	1100	ug/L	

QUARTERLY GROUNDWATER MONITORING  
First Quarter, 1998 Semi-annual

Well Name  
S1-123

French Limited Project  
FLTG, Inc.

Date Col'd	Sample Number	CONDUCT umhos	DO PPM	DtOWTR Ft	FLDpH pH un	TEMP Deg C	AS ug/L	CR ug/L	PB ug/L	TOC mg/L	K mg/L	NH3N mg/L	NO3N mg/L	o-PO4-P mg/L	12DCA ug/L	ACET ug/L	BENZ ug/L	TOL ug/L	VINCHL ug/L	
5/31/97	FL 00798			0						9.5	7.41	0.3	< 0.2	< 0.2	1500	< 10	69	62	310	
7/15/97	FL 00829	1125	0.1	1.96	6.66	24														
8/18/97	FL 00888			2.87																
9/11/97	FL 00947			2.84																
10/6/97	FL 01006			2.29																
10/15/97	FL 01060	1100	0.3	2.29	6.78	25.3				15.3	13.3	0.41	< 0.2	2.2	17000	< 50	< 25	32	2800	
10/31/97	FL 01062	1600	0.2	1.25	6.47	22				42.4	20.6	0.18	< 0.2	0.9	68000	18000	< 2500	< 2500	4900	
1/20/98	FL 01088	580	0.3	0	7.04	22				8.4	7	0.17	< 0.2	0.1	160	< 10	< 5	< 5	37	
2/18/98	FL 01137	800	0.6	0	6.8	23				9.5	9.5	0.37	< 0.2	0.1	4300	< 500	< 250	< 250	470	

Number in parentheses is cleanup criteria

CONDU = Specific Conductivity (NC)  
FLDPH = Field pH (NC)  
CR = Chromium (100)  
K = Potassium (NC)  
O-PO4-P = Orthophosphate-P (NC)  
BENZ = Benzene (5)

DO = Dissolved Oxygen (NC)  
TEMP = Temperature (NC)  
PB = Lead (15)  
NH3N = Ammonia-N (NC)  
12DCA = 1,2-Dichloroethane (5)  
TOL = Toluene (1000)

DTOWT = Depth to Water (NC)  
AS = Arsenic (50)  
TOC = Total Organic Carbon (NC)  
NO3N = Nitrate-N (NC)  
ACET = Acetone (3500)  
VINCHL = Vinyl chloride (2)

< Less than shown detection limit  
J Detected conc. below detection limit  
E Conc. exceeded instrument calibration range  
B Analyte also found in method blank  
D Concentration derived from dilution  
NC = No cleanup criteria

Page 2 of 2

QUARTERLY GROUNDWATER MONITORING  
First Quarter, 1998 Semi-annual

Well Name  
S1-131

French Limited Project  
FLTG, Inc.

Date Col'd	Sample Number	CONDUCT umhos	DO PPM	DTOWTR Ft	FLDpH pH un	TEMP Deg C	AS ug/L	CR ug/L	PB ug/L	TOC mg/L	K mg/L	NH3N mg/L	NO3N mg/L	o-PO4-P mg/L	12DCA ug/L	ACET ug/L	BENZ ug/L	TOL ug/L	VINCHL ug/L
7/17/93	FL 00359														< 25	< 50	600	48	< 50
5/5/95	FL 00360	1000	5		6.96	24					14	0.1	5.7	< 0.7	< 80	10000	< 30	< 50	< 120
6/6/95	FL 00361	1200	9.4		6.88	24													
1/23/96	FL 00362	600	9		7.22	24				< 3	62.6	< 0.1	8.6	< 0.1	< 0.8	< 6	8	3	< 1.2
4/12/96	FL 00363	550	1.4		7.53	22				20.8	91.9	1.8	306	< 0.1	< 0.8	< 6	21	< 0.5	< 1.2
7/22/96	FL 00365	1300	0.07		6.98	23				17	94	2.2	< 0.05	0.027	6	17	31	< 0.5	< 1.2
10/7/96	FL 00366	1300	0.8	3.24	7.16	25				42.7	93.4	2.2	0.4	< 0.1	< 5	< 10	32	< 5	< 10
1/24/97	FL 00367	900	0.1	5.8	7.81	21				26.1	19	1.9	3.1	< 0.1	< 5	< 10	J3	< 5	< 2
3/22/97	FL 00698			5.45															
4/15/97	FL 00729	950	0.2	5.61	7.32	22				40	34.7	0.3	< 0.2	< 0.1	< 5	< 10	J4	< 5	< 2
5/31/97	FL 00800			5.24															
7/15/97	FL 00831	1000	0.2	6.14	6.95					43.9	62.4	1.4	< 0.2	0.2	< 5	< 10	21	< 5	< 2
3/18/97	FL 00890			7.12															
3/11/97	FL 00949			7.58															
10/6/97	FL 01008			6.87															
10/15/97	FL 01061	1000	0.7	6.87	7.11					38.2	66.8	2.12	< 0.2	< 0.1	< 5	< 10	21	< 5	< 2
1/21/98	FL 01090	980	0.6	5.4	7.37	22				46.8	66.9	1.3	< 0.2	0.1	< 5	< 10	6	< 5	< 2
2/17/98	FL 01133	1000	0.7	5.32	6.85	23				35	78.6	0.75	0.2	< 0.1	< 5	< 10	58	< 5	< 2

Number in parentheses is cleanup criteria

CONDU = Specific Conductivity (NC)  
FLDPH = Field pH (NC)  
CR = Chromium (100)  
K = Potassium (NC)  
O-PO4-P = Orthophosphate-P (NC)  
BENZ = Benzene (5)

DO = Dissolved Oxygen (NC)  
TEMP = Temperature (NC)  
PB = Lead (15)  
NH3N = Ammonia-N (NC)  
12DCA = 1,2-Dichloroethane (5)  
TOL = Toluene (1000)

DTOWT = Depth to Water (NC)  
AS = Arsenic (50)  
TOC = Total Organic Carbon (NC)  
NO3N = Nitrate-N (NC)  
ACET = Acetone (3500)  
VINCHL = Vinyl chloride (2)

< Less than shown detection limit  
J Detected conc. below detection limit  
E Conc. exceeded instrument calibration range  
B Analyte also found in method blank  
D Concentration derived from dilution  
NC = No cleanup criteria

QUARTERLY GROUNDWATER MONITORING  
First Quarter, 1998 Semi-annual

Well Name  
**S1-135**

French Limited Project  
FLTG, Inc.

Date Col'd	Sample Number	CONDUCT umhos	DO PPM	DTOWTR Ft	FLDpH pH un	TEMP Deg C	AS ug/L	CR ug/L	PB ug/L	TOC mg/L	K mg/L	NH3N mg/L	NO3N mg/L	o-PO4-P mg/L	12DCA ug/L	ACET ug/L	BENZ ug/L	TOL ug/L	VINCHL ug/L	
12/29/93	FL 00373	400	2.8		6.12	20									<0.8	<6	<0.3	5	<1.2	
12/29/93	FL 00372																			
12/21/94	FL 00375																			
12/21/94	FL 00374	455	0.8		6.17	24	209	4.9	<2.5	18.1	3.98	0.38	<2	<2	<0.8	<6	<0.3	<0.5	<1.2	
12/15/95	FL 00377	420	0.6		6.24	25		195	13	<5	52					<0.8	<6	<0.3	<0.5	<1.2
12/15/95	FL 00376																			
1/15/96	FL 00378	350	1.6		6.46	23	169	13	5	<0.5	7.33	0.9	<0.2	<0.1	<0.8	<6	<0.3	<0.5	<1.2	
4/12/96	FL 00379	300	1.7		6.58	21	40	<10	<5	16.4	5.57	0.7	<0.2	<0.1	<0.8	<6	3	<0.5	<1.2	
7/22/96	FL 00381	450	0.1		6.27	23	62	<10	5.1	16	3.8	0.44	<0.05	0.18	<0.8	<6	<0.3	<0.5	<1.2	
10/7/96	FL 00382	1000	0.6	7.18	6.28	25	69	<10	<5	16.5	3.81	0.4	<0.2	<0.1	<5	<10	<5	<5	<10	
1/24/97	FL 00383	400	0.1	6.96	6.22	21	47.9	5.2	<0.8	18.4	3.61	0.2	<0.2	<0.1	<5	<10	<5	<5	<2	
3/22/97	FL 00699				4.9															
4/15/97	FL 00723	300	0.2	5.24	6.38	21	98	<10	<5	15.2	3.66	<0.1	<0.2	<0.1	<5	<10	<5	<5	<2	
5/31/97	FL 00801				4.42															
7/15/97	FL 00824	600	0.1		6.25	6.27	24	97	<10	8	27.8	5.94	0.76	<0.2	<0.2	<5	<10	<5	<5	<2
9/11/97	FL 00960				7.88															
10/6/97	FL 01019				7.07															
10/14/97	FL 01045	570	0.1	7.07	6.4	25.8	64	<10	<5	29.5	6.7	0.98	<0.2	0.2	<5	<10	<5	<5	<2	
1/20/98	FL 01083	750	0.5	5.15	6.81	22	130	<10	<5	32.9	8.4	0.96	<0.2	0.1	<5	<10	<5	<5	<2	
2/12/98	FL 01104	700	0.7	4.92	6.43	22	26	<10	<5	34.3	1.22	2.83	<0.2	0.1	<5	<10	<5	<5	<2	

Number in parentheses is cleanup criteria

CONDU = Specific Conductivity (NC)  
FLDPH = Field pH (NC)  
CR = Chromium (100)  
K = Potassium (NC)  
O-PO4-P = Orthophosphate-P (NC)  
BENZ = Benzene (5)

DO = Dissolved Oxygen (NC)  
TEMP = Temperature (NC)  
PB = Lead (15)  
NH3N = Ammonia-N (NC)  
12DCA = 1,2-Dichloroethane (5)  
TOL = Toluene (1000)

DTOWT = Depth to Water (NC)  
AS = Arsenic (50)  
TOC = Total Organic Carbon (NC)  
NO3N = Nitrate-N (NC)  
ACET = Acetone (3500)  
VINCHL = Vinyl chloride (2)

< Less than shown detection limit  
J Detected conc. below detection limit  
E Conc. exceeded instrument calibration range  
B Analyte also found in method blank  
D Concentration derived from dilution  
NC = No cleanup criteria

**Attachment B**

**French Ltd. Project**

**Field Duplicate Precision Summaries**

**Groundwater Monitoring - January & February '98**

Sample			Duplicate			
S1-121			S1-121FLD DUP			
Sample Number	Sample Date		Sample Number	Sample Date		
FL 01084	1/20/98		FL 01085	1/20/98		
Concentration	Units	Compound	Units	Concentration	Relative Percent Difference	
VOA	<5.	ug/L	1,1,1-TRICHLOROETHANE	ug/L	<5.	NA
	<5.	ug/L	1,1,2-TETRACHLOROETHANE	ug/L	<5.	NA
	<5.	ug/L	1,1,2-TRICHLOROETHANE	ug/L	<5.	NA
	<5.	ug/L	1,1-DICHLOROETHANE	ug/L	<5.	NA
	<5.	ug/L	1,1-DICHLOROETHENE	ug/L	<5.	NA
	<5.	ug/L	1,2-DICHLOROETHANE	ug/L	<5.	NA
	<5.	ug/L	1,2-DICHLOROETHENE(TOTAL)	ug/L	<5.	NA
	<5.	ug/L	1,2-DICHLOROPROPANE	ug/L	<5.	NA
	<10.	ug/L	2-BUTANONE	ug/L	<10.	NA
	<10.	ug/L	2-CHLOROETHYL VINYL ETHER	ug/L	<10.	NA
	<10.	ug/L	2-HEXANONE	ug/L	<10.	NA
	<10.	ug/L	4-METHYL-2-PENTANONE	ug/L	<10.	NA
	<10.	ug/L	ACETONE	ug/L	<10.	NA
J2.	ug/L	BENZENE	ug/L	J3.	40.0	
	<5.	ug/L	BROMODICHLOROMETHANE	ug/L	<5.	NA
	<5.	ug/L	BROMOFORM	ug/L	<5.	NA
	<10.	ug/L	BROMOMETHANE	ug/L	<10.	NA
	<5.	ug/L	CARBON DISULFIDE	ug/L	<5.	NA
	<5.	ug/L	CARBON TETRACHLORIDE	ug/L	<5.	NA
	<5.	ug/L	CHLOROBENZENE	ug/L	<5.	NA
	<10.	ug/L	CHLOROETHANE	ug/L	<10.	NA
	<5.	ug/L	CHLOROFORM	ug/L	<5.	NA
	<10.	ug/L	CHLOROMETHANE	ug/L	<10.	NA
	<5.	ug/L	CIS-1,3-DICHLOROPROPENE	ug/L	<5.	NA
	<5.	ug/L	DIBROMOCHLOROMETHANE	ug/L	<5.	NA
	<5.	ug/L	ETHYLBENZENE	ug/L	<5.	NA
	<5.	ug/L	METHYLENE CHLORIDE	ug/L	<5.	NA
	<5.	ug/L	STYRENE	ug/L	<5.	NA
	<5.	ug/L	TETRACHLOROETHENE	ug/L	<5.	NA
	<5.	ug/L	TOLUENE	ug/L	<5.	NA
	<5.	ug/L	TRANS-1,3-DICHLOROPROPENE	ug/L	<5.	NA
	<5.	ug/L	TRICHLOROETHENE	ug/L	<5.	NA
	<10.	ug/L	VINYL ACETATE	ug/L	<10.	NA
	<2.	ug/L	VINYL CHLORIDE	ug/L	<2.	NA
	<5.	ug/L	XYLENE(TOTAL)	ug/L	<5.	NA
NUT	<.1	mg/L	AMMONIA-N	mg/L	<.1	NA
	<.2	mg/L	NITRATE-N	mg/L	<.2	NA
	<.1	mg/L	ORTHOPHOSPHATE-P	mg/L	.1	NA
	55.4	mg/L	POTASSIUM	mg/L	53.	4.4
MISC	6.2	mg/L	TOTAL ORGANIC CARBON	mg/L	6.1	1.6
FLD	7.12	ft	DEPTH TO WATER	ft	7.12	0.0
	.4	PPM	DISSOLVED OXYGEN	PPM	.4	0.0
	7.31	pH un	FIELD PH	pH un	7.31	0.0
	1,100.	umhos	SPECIFIC CONDUCTIVITY	umhos	1,100.	0.0
	23.	Deg C	TEMPERATURE	Deg C	23.	0.0

< = Compound Not Detected at the limited detection limit.

NA = Not Applicable

Sample			Duplicate			
INT-127			INT-127 FLDDUP			
Sample Number	Sample Date		Sample Number	Sample Date		
FL 01096	1/22/98		FL 01097	1/22/98		
Concentration	Units	Compound	Units	Concentration	Relative Percent Difference	
VOA	<5.	ug/L	1,1,1-TRICHLOROETHANE	ug/L	<5.	NA
	<5.	ug/L	1,1,2-TETRACHLOROETHANE	ug/L	<5.	NA
	<5.	ug/L	1,1,2-TRICHLOROETHANE	ug/L	<5.	NA
	<5.	ug/L	1,1-DICHLOROETHANE	ug/L	<5.	NA
	<5.	ug/L	1,1-DICHLOROETHENE	ug/L	<5.	NA
	<5.	ug/L	1,2-DICHLOROETHANE	ug/L	<5.	NA
	<5.	ug/L	1,2-DICHLOROETHENE(TOTAL)	ug/L	<5.	NA
	<5.	ug/L	1,2-DICHLOROPROPANE	ug/L	<5.	NA
	<10.	ug/L	2-BUTANONE	ug/L	<10.	NA
	<10.	ug/L	2-CHLOROETHYL VINYL ETHER	ug/L	<10.	NA
	<10.	ug/L	2-HEXANONE	ug/L	<10.	NA
	<10.	ug/L	4-METHYL-2-PENTANONE	ug/L	<10.	NA
	<10.	ug/L	ACETONE	ug/L	<10.	NA
	<5.	ug/L	BENZENE	ug/L	<5.	NA
	<5.	ug/L	BROMODICHLOROMETHANE	ug/L	<5.	NA
	<5.	ug/L	BROMOFORM	ug/L	<5.	NA
	<10.	ug/L	BROMOMETHANE	ug/L	<10.	NA
	<5.	ug/L	CARBON DISULFIDE	ug/L	<5.	NA
	<5.	ug/L	CARBON TETRACHLORIDE	ug/L	<5.	NA
	<5.	ug/L	CHLOROBENZENE	ug/L	<5.	NA
	<10.	ug/L	CHLOROETHANE	ug/L	<10.	NA
	<5.	ug/L	CHLOROFORM	ug/L	<5.	NA
	<10.	ug/L	CHLOROMETHANE	ug/L	<10.	NA
	<5.	ug/L	CIS-1,3-DICHLOROPROPENE	ug/L	<5.	NA
	<5.	ug/L	DIBROMOCHLOROMETHANE	ug/L	<5.	NA
	<5.	ug/L	ETHYLBENZENE	ug/L	<5.	NA
	<5.	ug/L	METHYLENE CHLORIDE	ug/L	<5.	NA
	<5.	ug/L	STYRENE	ug/L	<5.	NA
	<5.	ug/L	TETRACHLOROETHENE	ug/L	<5.	NA
	<5.	ug/L	TOLUENE	ug/L	<5.	NA
	<5.	ug/L	TRANS-1,3-DICHLOROPROPENE	ug/L	<5.	NA
	<5.	ug/L	TRICHLOROETHENE	ug/L	<5.	NA
	<10.	ug/L	VINYL ACETATE	ug/L	<10.	NA
	<2.	ug/L	VINYL CHLORIDE	ug/L	<2.	NA
	<5.	ug/L	XYLENE(TOTAL)	ug/L	<5.	NA
NUT	<.1	mg/L	AMMONIA-N	mg/L	<.1	NA
	<.2	mg/L	NITRATE-N	mg/L	<.2	NA
	<.1	mg/L	ORTHOPHOSPHATE-P	mg/L	<.1	NA
	2.03	mg/L	POTASSIUM	mg/L	1.97	3.0
MISC	4.5	mg/L	TOTAL ORGANIC CARBON	mg/L	4.6	2.2
FLD	.3	ft	DEPTH TO WATER	ft	.3	0.0
	.4	PPM	DISSOLVED OXYGEN	PPM	.4	0.0
	7.2	pH un	FIELD PH	pH un	7.2	0.0
	160.	umhos	SPECIFIC CONDUCTIVITY	umhos	160.	0.0
	22.	Deg C	TEMPERATURE	Deg C	22.	0.0

< = Compound Not Detected at the limited detection limit.

NA = Not Applicable

Sample INT-134			Duplicate INT-134 FLDDUP			
Sample Number	Sample Date		Sample Number	Sample Date		
Concentration	Units	Compound	Units	Concentration	Relative Percent Difference	
VOA	<5.	ug/L	1,1,1-TRICHLOROETHANE	ug/L	<5.	NA
	<5.	ug/L	1,1,2,2-TETRACHLOROETHANE	ug/L	<5.	NA
	<5.	ug/L	1,1,2-TRICHLOROETHANE	ug/L	<5.	NA
	.50.	ug/L	1,1-DICHLOROETHANE	ug/L	.51.	2.0
	<5.	ug/L	1,1-DICHLOROETHENE	ug/L	<5.	NA
	.88.	ug/L	1,2-DICHLOROETHANE	ug/L	.87.	1.1
	<5.	ug/L	1,2-DICHLOROETHENE(TOTAL)	ug/L	<5.	NA
	.7.	ug/L	1,2-DICHLOROPROPANE	ug/L	.7.	0.0
	<10.	ug/L	2-BUTANONE	ug/L	<10.	NA
	<10.	ug/L	2-CHLOROETHYL VINYL ETHER	ug/L	<10.	NA
	<10.	ug/L	2-HEXANONE	ug/L	<10.	NA
	<10.	ug/L	4-METHYL-2-PENTANONE	ug/L	<10.	NA
	<10.	ug/L	ACETONE	ug/L	<10.	NA
	.25.	ug/L	BENZENE	ug/L	.25.	0.0
	<5.	ug/L	BROMODICHLOROMETHANE	ug/L	<5.	NA
	<5.	ug/L	BROMOFORM	ug/L	<5.	NA
	<10.	ug/L	BROMOMETHANE	ug/L	<10.	NA
	<5.	ug/L	CARBON DISULFIDE	ug/L	<5.	NA
	<5.	ug/L	CARBON TETRACHLORIDE	ug/L	<5.	NA
	<5.	ug/L	CHLOROBENZENE	ug/L	<5.	NA
	<10.	ug/L	CHLOROETHANE	ug/L	<10.	NA
	.6.	ug/L	CHLOROFORM	ug/L	.6.	0.0
	<10.	ug/L	CHLOROMETHANE	ug/L	<10.	NA
	<5.	ug/L	CIS-1,3-DICHLOROPROPENE	ug/L	<5.	NA
	<5.	ug/L	DIBROMOCHLOROMETHANE	ug/L	<5.	NA
	<5.	ug/L	ETHYLBENZENE	ug/L	<5.	NA
	<5.	ug/L	METHYLENE CHLORIDE	ug/L	<5.	NA
	<5.	ug/L	STYRENE	ug/L	<5.	NA
	<5.	ug/L	TETRACHLOROETHENE	ug/L	<5.	NA
	<5.	ug/L	TOLUENE	ug/L	<5.	NA
	<5.	ug/L	TRANS-1,3-DICHLOROPROPENE	ug/L	<5.	NA
	<5.	ug/L	TRICHLOROETHENE	ug/L	<5.	NA
	<10.	ug/L	VINYL ACETATE	ug/L	<10.	NA
	120.	ug/L	VINYL CHLORIDE	ug/L	130.	8.0
	<5.	ug/L	XYLENE(TOTAL)	ug/L	<5.	NA
NUT	<.1	mg/L	AMMONIA-N	mg/L	<.1	NA
	9.7	mg/L	NITRATE-N	mg/L	9.7	0.0
	.6	mg/L	ORTHOPHOSPHATE-P	mg/L	.7	15.4
	4.44	mg/L	POTASSIUM	mg/L	4.19	5.8
MISC	38.9	mg/L	TOTAL ORGANIC CARBON	mg/L	39.3	1.0
FLD	7.16	ft	DEPTH TO WATER	ft	7.16	0.0
	.5	PPM	DISSOLVED OXYGEN	PPM	.5	0.0
	7.34	pH un	FIELD PH	pH un	7.34	0.0
	1,000.	umhos	SPECIFIC CONDUCTIVITY	umhos	1,000.	0.0
	22.	Deg C	TEMPERATURE	Deg C	22.	0.0

< = Compound Not Detected at the limited detection limit.

NA = Not Applicable

Sample			Duplicate			
S1-121			S1-121-D			
Sample Number	Sample Date		Sample Number	Sample Date		
FL01119	2/13/98		FL01120	2/13/98		
Concentration	Units	Compound	Units	Concentration	Relative Percent Difference	
VOA	<5.	ug/L	1,1,1-TRICHLOROETHANE	ug/L	<5.	NA
	<5.	ug/L	1,1,2,2-TETRACHLOROETHANE	ug/L	<5.	NA
	<5.	ug/L	1,1,2-TRICHLOROETHANE	ug/L	<5.	NA
	J3.	ug/L	1,1-DICHLOROETHANE	ug/L	J4.	28.6
	<5.	ug/L	1,1-DICHLOROETHENE	ug/L	<5.	NA
	<5.	ug/L	1,2-DICHLOROETHANE	ug/L	<5.	NA
	<5.	ug/L	1,2-DICHLOROPROPANE	ug/L	<5.	NA
	<10.	ug/L	2-BUTANONE	ug/L	<10.	NA
	<10.	ug/L	2-HEXANONE	ug/L	<10.	NA
	<10.	ug/L	4-METHYL-2-PENTANONE	ug/L	<10.	NA
	<10.	ug/L	ACETONE	ug/L	<10.	NA
	J2.	ug/L	BENZENE	ug/L	J2.	0.0
	<5.	ug/L	BROMODICHLOROMETHANE	ug/L	<5.	NA
	<10.	ug/L	BROMOFORM	ug/L	<10.	NA
	<10.	ug/L	BROMOMETHANE	ug/L	<10.	NA
	<5.	ug/L	CARBON DISULFIDE	ug/L	<5.	NA
	<5.	ug/L	CARBON TETRACHLORIDE	ug/L	<5.	NA
	<5.	ug/L	CHLOROBENZENE	ug/L	<5.	NA
	<10.	ug/L	CHLOROETHANE	ug/L	<10.	NA
	<5.	ug/L	CHLOROFORM	ug/L	<5.	NA
	<10.	ug/L	CHLOROMETHANE	ug/L	<10.	NA
	<5.	ug/L	CIS-1,3-DICHLOROPROPENE	ug/L	<5.	NA
	<5.	ug/L	DIBROMOCHLOROMETHANE	ug/L	<5.	NA
	<5.	ug/L	ETHYLBENZENE	ug/L	<5.	NA
	<5.	ug/L	METHYLENE CHLORIDE	ug/L	<5.	NA
	<5.	ug/L	STYRENE	ug/L	<5.	NA
	J3.	ug/L	TETRACHLOROETHENE	ug/L	J3.	0.0
	<5.	ug/L	TOLUENE	ug/L	<5.	NA
	<5.	ug/L	TRANS-1,3-DICHLOROPROPENE	ug/L	<5.	NA
	J3.	ug/L	TRICHLOROETHENE	ug/L	J4.	28.6
	<2.	ug/L	VINYL CHLORIDE	ug/L	<2.	NA
	<5.	ug/L	XYLENE(TOTAL)	ug/L	<5.	NA
NUT	<.1	mg/L	AMMONIA-N	mg/L	<.1	NA
	1.2	mg/L	NITRATE-N	mg/L	1.4	15.4
	<.1	mg/L	ORTHOPHOSPHATE-P	mg/L	<.1	NA
	44.4	mg/L	POTASSIUM	mg/L	43.6	1.8
MISC	7.4	mg/L	TOTAL ORGANIC CARBON	mg/L	7.3	1.4
FLD	7.09	ft	DEPTH TO WATER	ft	7.09	0.0
	6.76	pH un	FIELD PH	pH un	6.76	0.0
	1,200.	umhos	SPECIFIC CONDUCTIVITY	umhos	1,200.	0.0
	23.	Deg C	TEMPERATURE	Deg C	23.	0.0

< = Compound Not Detected at the limited detection limit.

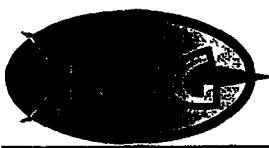
NA = Not Applicable

**Attachment C**

**French Ltd. Project**

**Ron Jansen's Memo dated January 28<sup>th</sup> ,1998**

(with attachments)



# Remedial Operations Group, Inc.

17563 Compass Rose Circle  
Crosby, TX 77532

Phone: (281)838-1086  
FAX: (281)838-4024

## MEMO

**TO:** Mark Collins, Operators  
**FROM:** Ron Jansen  
**CC:** Dick Sloan, Jim Thomson  
**DATE:** 01/28/98  
**SUBJECT:** Sampling Event at French Ltd. Project

This memo describes a procedure to be utilized for the groundwater sampling event to take place the week of February 2, 1998. The following procedure will be used to collect groundwater samples from all of the normal remediation progress monitoring wells at the French Ltd. Site. The analytical data obtained from these samples will be compared with the results of previous micro-purge sampling events to determine if any changes should be made to the site sampling procedures.

### General Description

This method describes a hybrid of micro-purge and standard well bailing groundwater sampling(purging three well volumes). As with the micro-purge method, there will be a relatively small volume of purge water. As with conventional well bailing, the confidence in sample representativeness should be greater.

A pump will be placed between the water surface and the top of the screen (10 feet below water surface is ideal). As water is purged from the well, water from the aquifer will displace the stagnant water between the top of the casing and the pump. Because each well is different (water level, screen depth/length, etc.), the levels at which the pump should be placed and the number of purge cycles may be different.

### Equipment / Material

Groundwater sampling trailer (with variable speed pump, decon facilities and purge water holding tank); micro-purge pump; standard sampling supplies (sample containers, ice chests; field measurement instruments, PPE, etc.)

### Procedure

Before measuring water levels, all wells fitted with sealing-type well caps should have the caps removed, and water levels should be allowed to equilibrate with the surface air pressure(this process takes approximately one hour). All wells should initially be measured for depth to water level and all readings recorded properly. The well sampling sequence should strictly follow the attached sheet. Prior to collecting a sample, the well purge pump should be placed at the levels specified on the attached Table. Water should be purged out of the well according to the depths and intervals shown in Table 1. The water will be pumped out of the well until the water level is down to the level of the pump. The water level will be allowed to recover to within 1 1/2 feet of the original water level. Repeat this procedure the number of times specified in Table 1 for each well. After the last cycle of purging, the pump and purge hose should be removed from the well and decontaminated thoroughly. The water level will be allowed to recover to within 1 1/2 feet of the original water level prior to collecting a sample via the stainless steel micro-purge tubing installed in the well.

Other than the above stated change in sampling/purging protocol, the remainder of the sampling event should be the same as in all previous sampling events (e.g. requested analytical tests, field measurements, etc.)

**LONG TERM MONITORING WELLS**  
**Hybrid Sampling-Pump Placement**

French Ltd. Project

**Table 1**

Well Name	Location	Pump Placement (ft BGS)*	Pump Placement (ft BWL)*	Number of Purge/Recovery Cycles
FLTG-013	West of East pond		10	2
FLTG-014	West of East pond	2		10
INT-060-P-3	N of GPR, 200' West of MCC-1		10	2
INT-108	South of GPR, 190' West of Gate		10	2
INT-118	Off Highway 90, far West end		10	2
INT-135	West edge of landfill		10	2
INT-144	Rieandeau property		10	2
INT-214	80' East of Northeast corner of landfill		10	2
S1-031	20' South of wall at West end		10	2
S1-033	Northeast corner of landfill	7		3
S1-051-P-3	South of GPR, 450' West of gate	8		3
S1-106A	South of GPR, 100' East of gate		10	2
S1-108A	South of GPR, 190' West of gate	8		3
S1-111	Northwest corner of South pond		10	2
S1-118	Off Highway 90, far West end	8		3
S1-135	West edge of landfill	8		3
S1-121	Between wall and office building		10	2
INT-022	Northeast corner of landfill		10	2
INT-059-P-2	N of GPR, 300' West of MCC-1		10	2
S1-106R	200' Southeast of gate		10	2
S1-131	30' Southeast of wall at East end		10	2
INT-101	200' Southwest of west end		10	2
INT-120	West of INT-11 wall		10	2
INT-217	200' West of South pond		10	2
INT-106	50' South of GPR, 100' East of Gate		10	2
INT-026	South of GPR, 450' West of Gate		10	2
INT-127	South of INT-11 wall		10	2
INT-130RS	South of Office Bldg	8		3
INT-123	East of INT-11 wall		10	2
INT-134	West edge of landfill		10	2
INT-130R	South of Office Bldg		10	2
S1-123	30' South of office building		10	2
INT-233	40' South of west end		10	2

**Notes to Samplers:**

- Because some wells are screened shallow, the pump will be placed a measured distance Below Ground Surface (BGS) or Below Water Level (BWL). Distinction is made based on historical water levels and well completion data.

BWL = Below water level

BGS = Below ground surface (not measured from top of casing)



**APPENDIX B**

**April 1996 - January 1998 water levels**

**Post-operational groundwater levels**  
Table 1 - Depth to water (feet)

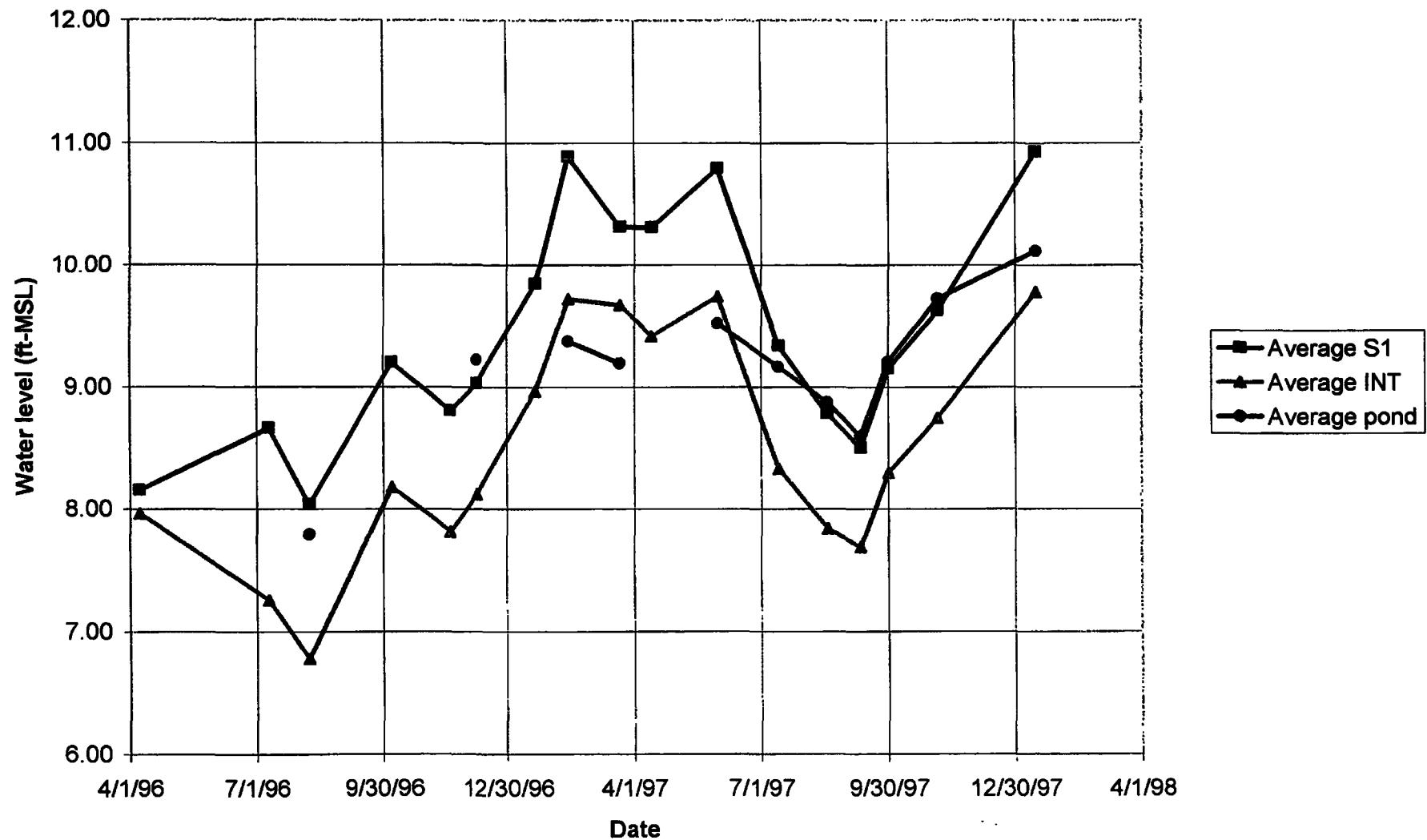
Well/gauge/date	4/6-12/96	7/10-18/96	8/8/96	10/7/96	11/18/96	12/9/96	1/20-24/97	2/13/97	3/22/97	4/14/97	5/31/97	7/14/97	8/18/97	9/11/97	10/1/97	11/6/97	1/15/98	Average since 5/31/97	
South Pond	NM	NM	7.80	NM	NM	8.23	NM	9.38	9.44	NM	9.85	9.08	9.16	9.34	9.46	9.56	10.06	9.53	
East Slough	NM	NM	NM	NM	NM	NM	NM	8.96	NM	9.40	9.28	8.60	7.88	8.86	9.50	10.18	9.11		
RTG-13	2.98	5.04	4.99	2.37	3.48	3.28	1.99	0.82	1.47	1.63	1.38	2.88	3.99	4.54	3.67	2.85	1.27	2.88	
RTG-14	2.45	4.82	4.40	1.74	2.93	2.84	1.63	0.42	1.21	1.31	1.05	2.38	3.54	4.20	3.61	2.54	1.20	2.64	
INT-22	5.60	5.65	6.56	5.29	5.48	5.35	4.68	4.09	3.60	4.12	3.85	4.68	5.27	5.48	4.89	4.81	3.62	4.61	
INT-28	3.58	4.06	4.56	3.68	3.28	3.07	2.56	2.10	2.52	2.60	2.33	3.15	3.23	3.05	2.77	2.38	2.00	2.70	
INT-59-P2	2.80	6.75	7.17	6.78	6.28	5.77	5.38	4.74	5.17	5.35	4.98	5.82	5.94	5.79	5.47	5.07	4.84	5.38	
INT-60-P3	3.20	6.54	7.00	6.06	6.20	5.56	4.89	4.42	4.87	5.07	4.66	5.63	5.78	5.65	5.28	4.91	4.35	5.18	
INT-101	6.20	6.51	6.95	5.48	6.05	5.72	4.99	4.38	4.03	4.41	4.12	4.95	5.66	5.98	5.25	4.83	3.81	4.94	
INT-106	3.25	3.63	4.82	2.82	3.31	2.88	1.63	0.85	1.50	0.39	0.91	2.91	3.68	3.73	2.81	2.40	0.82	2.48	
INT-108	4.98	5.32	5.95	4.91	4.46	3.59	3.13	3.57	3.83	3.30	4.57	4.77	4.81	4.14	3.79	3.15	4.05		
INT-118	10.33	10.91	11.38	10.00	10.67	10.66	10.12	9.28	8.25	8.60	8.03	8.26	10.13	10.67	9.81	9.55	8.05	9.38	
INT-120	6.70	11.71	10.08	8.84	8.95	8.65	7.45	7.16	7.48	7.75	7.25	8.87	8.87	8.31	8.05	7.13	8.18		
INT-123	6.90	8.89	10.88	9.18	9.90	9.23	7.68	7.48	7.84	8.05	7.48	8.10	8.75	9.73	8.99	8.66	7.38	8.72	
INT-127	2.70	3.34	3.96	2.39	2.66	2.18	1.00	0.57	0.72	1.50	0.80	2.28	2.60	2.73	1.98	1.70	0.81	1.68	
INT-130R	NM	3.35	4.46	2.45	3.01	2.58	NM	0.60	0.70	1.50	0.80	2.82	3.31	3.47	2.64	2.11	0.72	2.21	
INT-130RS	NM	3.95	4.68	2.85	3.41	2.99	NM	1.00	1.18	1.60	1.08	2.81	3.73	3.86	2.97	2.52	0.87	2.58	
INT-134	5.88	9.29	10.05	9.68	8.92	10.99	8.11	7.52	7.12	7.44	7.25	8.15	8.65	9.18	8.82	8.03	6.90	8.09	
INT-135	13.30	12.60	13.41	12.06	15.35	12.17	11.62	10.96	10.43	10.78	10.80	11.54	12.30	12.49	11.87	11.41	10.29	11.50	
INT-144	13.00	16.45	16.73	15.62	15.67	15.53	15.17	14.62	13.82	13.91	14.03	15.16	15.91	16.04	16.49	15.10	13.92	15.08	
INT-147	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	5.66	6.25	5.15	4.78	3.85	8.12		
INT-148	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	9.11	9.84	10.23	9.48	8.99	7.76	9.26	
INT-149	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	12.89	14.86	15.00	14.47	14.07	12.85	14.04	
INT-150	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	4.15	4.38	4.27	3.90	3.50	2.93	3.88	
INT-151	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	4.20	4.07	4.10	3.72	3.24	2.71	3.67	
INT-152	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	4.47	3.97	3.88	3.58	3.02	2.44	3.56	
INT-153	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.49	6.34	6.38	5.80	5.30	4.34	5.77	
INT-154	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.88	7.25	7.41	6.39	5.78	3.89	6.28	
INT-155	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	7.78	8.12	8.67	8.05	7.41	6.15	7.70	
INT-156	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	4.09	4.10	3.78	3.32	2.43	3.54		
INT-214	3.80	3.62	4.23	3.03	3.07	2.98	2.52	1.78	1.72	2.01	1.72	2.47	2.89	2.83	2.48	2.50	1.40	2.34	
INT-217	3.70	4.47	4.55	3.48	3.37	3.25	2.80	2.12	1.82	2.13	1.92	2.78	3.28	3.35	2.90	2.44	1.85	2.62	
INT-233	7.30	6.82	7.65	6.48	6.44	6.38	5.62	5.12	5.15	6.50	5.10	5.85	6.25	6.36	5.88	5.47	4.80	5.67	
P-5	6.40	9.68	10.11	9.34	8.88	8.65	NM	7.80	8.07	8.23	7.85	8.75	8.85	8.65	8.32	7.95	7.57	8.28	
P-6	9.60	9.07	9.20	9.00	9.43	9.71	NM	4.04	8.21	8.52	4.26	7.84	8.31	8.65	8.81	8.94	4.56	7.30	
S1-31	7.65	7.82	8.66	7.48	7.18	7.38	6.82	6.11	8.14	6.43	6.06	6.88	7.27	7.31	6.84	6.49	5.84	6.67	
S1-33	3.58	3.72	4.73	3.63	3.71	3.80	3.04	2.15	1.88	2.22	1.83	2.78	3.33	3.58	2.97	2.57	1.78	2.69	
S1-51-P3	3.47	4.02	4.43	3.67	3.23	3.03	2.61	2.03	2.47	2.05	2.30	3.10	3.17	3.00	2.71	2.30	1.98	2.68	
S1-64	5.92	6.47	6.65	5.61	6.65	6.05	NM	3.74	5.05	5.23	4.80	5.53	6.46	6.68	6.03	5.41	4.23	5.63	
S1-105	3.12	NM	NM	3.48	3.14	NM	0.92	1.47	1.56	1.38	2.98	NM	4.22	3.43	2.61	1.11	2.61		
S1-106A	2.70	3.13	4.34	2.28	2.81	2.37	0.70	0.31	0.60	0.87	0.37	2.48	3.22	3.20	1.94	0.30	1.97		
S1-106R	NM	7.72	NM	6.71	7.31	6.81	4.60	4.34	4.62	5.02	4.47	7.08	7.92	8.08	7.03	6.44	4.46	6.50	
S1-108A	5.62	6.06	6.66	5.61	6.04	8.18	4.26	3.88	4.30	4.59	4.01	5.32	5.47	6.33	4.80	4.50	3.87	4.77	
S1-111	3.60	4.03	4.49	3.79	3.32	3.12	2.72	2.20	2.53	2.70	2.38	3.11	3.18	3.07	2.78	2.35	2.03	2.70	
S1-118	5.23	9.90	10.32	8.95	9.68	9.85	8.59	7.77	7.02	7.90	8.72	8.15	9.06	9.61	8.75	8.58	6.91	8.26	
S1-119	8.10	8.60	8.88	8.81	9.12	9.41	NM	8.48	7.68	7.77	7.25	7.54	8.27	8.68	8.66	8.48	7.55	8.08	
S1-121	6.52	8.70	10.97	8.78	9.68	9.00	7.88	7.50	7.14	7.46	7.03	8.88	9.77	9.61	8.81	8.61	6.87	8.51	
S1-123	3.80	2.94	3.98	1.67	2.44	1.85	0.10	0.00	0.00	0.35	0.00	1.96	2.87	2.84	1.97	1.60	0.00	1.61	
S1-126	6.68	4.67	5.18	4.85	5.31	5.55	NM	4.53	3.76	4.01	3.45	3.90	4.63	5.07	4.98	4.75	3.54	4.33	
S1-131	3.66	4.50	5.44	3.24	4.03	3.70	5.80	4.25	5.45	5.61	5.24	6.14	7.12	7.58	6.67	6.01	4.75	6.22	
S1-135	7.62	7.60	8.70	7.18	7.93	7.89	6.96	5.73	4.90	6.24	4.42	6.25	7.30	7.88	6.88	6.80	4.90	6.32	
S1-138	NM	NM	NM	NM	NM	NM	NM	6.21	NM	5.05	5.74	6.80	7.42	8.45	5.68	4.70	5.87		
S1-138	NM	NM	NM	NM	NM	NM	NM	5.47	NM	5.20	5.88	6.78	7.36	8.37	5.71	4.64	5.99		
S1-139	NM	NM	NM	NM	NM	NM	NM	6.88	NM	6.62	6.88	7.35	7.98	7.10	6.45	6.67	6.84		
S1-140	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	5.91	5.51	5.52	4.97	4.81	3.98	5.08		
S1-141	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	7.84	7.55	7.78	7.00	6.14	4.36	6.75		
S1-142	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	6.98	7.54	8.13	7.22	6.15	3.78	6.63		

**Table 2 - Top of casing elevation (feet MSL)**

**Post-operational groundwater levels**  
**Table 3 - Water elevation (feet MSL)**

Well/gauge/date	4/8-12/96	7/10-16/96	8/8/96	10/7/96	11/18/96	12/8/96	1/20-24/97	2/13/97	3/22/97	4/14/97	5/31/97	7/14/97	8/18/97	9/11/97	10/1/97	11/5/97	1/15/98	Average since 5/31/97		
South Pond			7.80			8.23		8.38	9.44		9.85	9.08	9.18	9.34	9.48	9.86	10.05	9.53		
East Slough								8.96		9.40	9.28	8.80	7.88	8.96	9.50	10.18	9.11			
FLTG-13	8.07	6.77	6.82	8.44	8.33	8.55	8.82	10.88	10.34	10.18	10.45	8.95	7.82	7.27	7.94	8.88	10.54	8.53		
FLTG-14	9.10	6.88	7.08	9.74	8.56	8.64	9.85	11.08	10.27	10.17	10.43	9.12	7.94	7.28	7.87	8.94	10.28	8.84		
INT-22	6.84	8.62	7.71	8.88	8.79	8.92	9.39	10.18	10.47	10.15	10.42	8.59	9.00	8.79	8.38	9.76	10.65	9.56		
INT-26	8.35	8.27	7.77	8.65	8.05	8.28	8.77	10.23	8.81	9.73	10.00	8.18	8.10	8.28	8.56	9.97	10.33	9.53		
INT-59-P2	8.88	8.18	7.78	8.15	8.65	8.16	9.55	10.18	9.76	9.58	9.11	8.98	9.14	9.48	9.88	10.28	9.54			
INT-80-P3	8.82	8.14	7.68	8.62	8.48	9.12	9.69	10.28	9.81	9.61	10.02	9.05	8.80	9.03	9.40	9.77	10.33	9.50		
INT-101	6.95	6.81	6.20	7.87	7.10	7.43	8.16	8.79	8.12	8.74	9.03	8.20	7.49	7.19	7.90	8.32	8.34	8.21		
INT-106	8.52	7.98	8.80	8.80	8.31	8.76	9.99	10.77	10.12	11.23	10.71	8.71	7.98	7.89	8.81	8.22	10.80	9.16		
INT-108	8.56	8.23	7.80	8.64	8.82	9.09	9.86	10.42	9.88	9.72	10.25	8.88	8.78	8.94	9.41	9.76	10.40	9.50		
INT-118	8.20	8.87	8.20	9.58	8.91	8.92	8.46	10.30	11.33	10.88	11.55	10.32	8.45	8.91	9.77	10.03	11.53	10.22		
INT-120	8.43	8.90	7.82	8.77	8.65	8.86	10.19	10.45	10.15	9.88	10.38	9.04	8.84	8.74	9.30	9.58	10.48	9.45		
INT-123	8.20	8.15	7.16	8.85	8.44	8.81	10.16	10.58	10.40	9.99	10.59	9.94	8.28	8.31	8.06	9.38	10.66	9.32		
INT-127	8.48	7.84	7.22	8.79	8.52	9.00	10.18	10.61	10.48	9.68	10.38	8.83	8.38	8.45	9.22	9.48	10.37	9.32		
INT-130R	7.89	6.78	8.79	8.23	8.56		10.64	10.54	9.74	10.44	9.72	7.83	7.77	8.70	8.13	10.62	9.03			
INT-130RS	7.68	6.78	8.78	8.22	8.84		10.83	10.48	10.03	10.84	8.72	7.80	7.77	8.88	9.11	10.76	9.57			
INT-134	7.91	6.52	4.76	6.13	5.69	3.82	6.75	7.34	7.74	7.42	7.61	6.71	6.21	5.70	6.34	6.83	7.98	6.77		
INT-135	4.69	5.33	4.82	5.87	2.58	5.76	6.40	7.06	7.89	7.24	7.42	6.48	5.72	5.83	6.15	6.61	7.73	6.52		
INT-144	8.83	2.38	2.10	3.21	3.16	3.30	3.72	4.37	5.07	4.98	4.88	3.73	2.98	2.85	3.40	3.78	4.97	3.80		
INT-147													8.91	8.21	8.31	9.68	10.61	9.34		
INT-148													6.43	6.80	6.31	6.06	6.85	7.78	6.29	
INT-149													6.63	4.88	4.52	5.05	5.45	5.67	5.48	
INT-150													9.21	8.88	9.09	9.48	9.88	10.43	9.51	
INT-151													8.72	8.85	8.82	9.20	9.68	10.21	9.26	
INT-152													8.12	8.82	8.71	9.03	9.57	10.15	9.03	
INT-153													8.25	8.40	8.38	8.94	10.40	8.57		
INT-154													7.72	7.33	7.17	8.19	8.83	10.69	8.32	
INT-155													6.87	6.53	5.98	6.80	7.24	8.50	6.95	
INT-156													7.75	7.74	8.06	8.52	9.41	9.30		
INT-214	8.13	8.41	7.70	8.80	8.88	8.85	8.41	10.15	10.21	9.82	10.21	9.48	9.04	9.00	9.48	9.43	10.53	8.59		
INT-217	7.43	6.66	6.88	7.65	7.76	7.88	8.53	9.01	9.31	9.00	9.21	8.35	7.88	7.78	8.23	8.89	9.48	8.51		
INT-233	8.08	8.56	7.73	8.90	8.94	9.00	9.46	10.28	10.23	9.88	10.28	8.53	8.13	9.02	9.50	9.91	10.58	9.71		
P-5	8.71	8.17	7.74	8.51	8.97	8.20		10.25	9.78	9.62	10.00	9.10	9.00	9.20	9.53	9.90	10.28	9.57		
P-6	5.98	9.38	9.28	9.48	9.02	8.74		14.41	10.24	9.93	14.19	10.81	10.14	9.80	9.84	9.81	13.89	11.16		
S1-31	6.57	8.84	7.80	9.00	8.28	9.08	9.64	10.35	8.32	10.03	10.41	8.60	8.18	8.15	8.62	8.87	10.82	8.79		
S1-33	7.88	9.08	8.05	8.35	9.07	9.18	9.74	10.83	10.80	10.86	10.98	10.02	8.48	8.20	8.81	10.21	11.02	10.09		
S1-51-P3	8.73	8.20	7.79	8.56	8.95	8.19	9.61	10.19	9.75	9.57	9.92	9.12	9.08	9.22	9.51	9.82	10.26	9.57		
S1-64	8.75	8.20	8.02	9.00	7.86	8.56		10.87	9.56	9.38	9.81	9.08	8.18	7.63	8.58	9.20	10.38	8.98		
S1-105	9.13				8.43	8.77		10.89	10.44	10.35	10.56	8.85		7.69	8.48	9.30	10.80	9.30		
S1-106A	8.48	8.08	6.84	8.94	8.41	8.85	10.52	10.91	10.62	10.35	10.85	8.74	8.00	8.02	8.93	9.28	10.92	9.26		
S1-106R	7.81				8.82	8.22	8.72	10.93	11.19	10.81	10.81	11.06	8.45	7.61	7.45	8.50	9.09	11.07	9.03	
S1-108A	8.64	8.20	7.60	8.65	8.22	9.08	10.00	10.40	9.86	9.87	10.25	8.84	8.79	8.83	9.36	9.76	10.39	9.49		
S1-111	8.79	8.38	7.90	8.51	8.98	8.18	9.56	10.10	9.77	9.60	9.82	9.19	9.12	9.23	9.51	9.95	10.27	9.60		
S1-115	8.76	8.09	8.67	8.87	9.24	8.27	9.93	11.16	11.90	11.42	12.20	10.77	9.88	9.31	10.17	10.38	12.01	10.67		
S1-119	7.23	8.89	8.51	8.68	9.37	9.08		10.01	10.83	10.72	11.24	10.95	10.22	9.81	9.83	10.01	10.84	10.43		
S1-121	8.52	8.15	6.88	9.06	8.18	8.85	9.97	10.35	10.71	10.40	10.82	8.99	8.08	8.24	9.04	9.88	9.34			
S1-123	6.90	7.83	6.79	9.10	8.33	8.82	10.67	10.77	10.42	10.77	10.81	7.90	7.93	8.80	9.17	10.77	9.16			
S1-126	6.60	10.08	9.67	9.90	9.44	9.20		10.22	10.99	10.74	11.30	10.85	10.12	9.68	9.77	10.00	11.21	10.42		
S1-131	8.74	7.90	6.86	9.14	8.35	8.68	8.58	10.96	9.78	9.80	9.87	8.07	8.08	7.63	8.54	9.20	10.46	8.99		
S1-135	10.40	10.22	9.32	10.84	10.09	10.13	11.06	12.28	13.12	12.78	13.80	11.77	10.72	10.14	11.14	11.42	13.12	11.70		
S1-136									9.77		9.83	9.24	8.18	7.56	8.53	9.32	10.28	9.01		
S1-138											9.79	8.11	8.21	7.83	8.62	9.28	10.35	9.00		
S1-139											9.86	9.22	9.18	8.49	7.86	8.74	9.39	10.17	9.00	
S1-140												8.38	8.76	8.75	9.30	9.66	10.31	9.19		
S1-141													7.51	7.80	7.37	8.15	9.01	10.79	8.41	
S1-142														7.83	7.27	6.68	7.59	8.66	11.03	8.18
Average	8.06	7.89	7.34	8.64	8.28	8.56	9.31	10.24	9.96	9.83	10.24	8.81	8.27	8.07	8.89	9.15	10.28	9.07		

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